

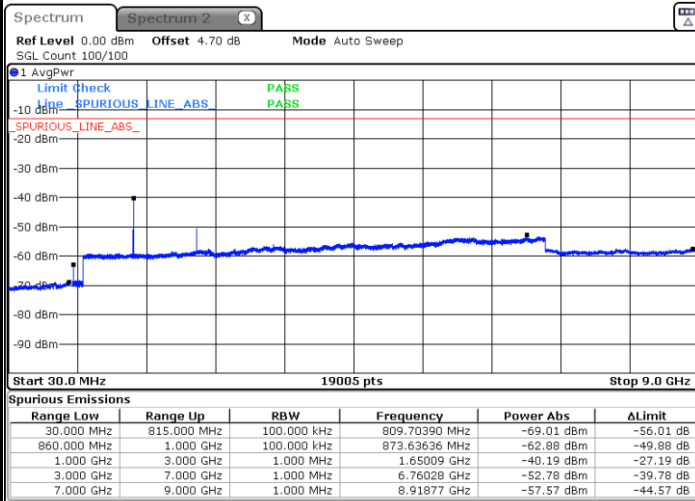


# Conducted Spurious Emission

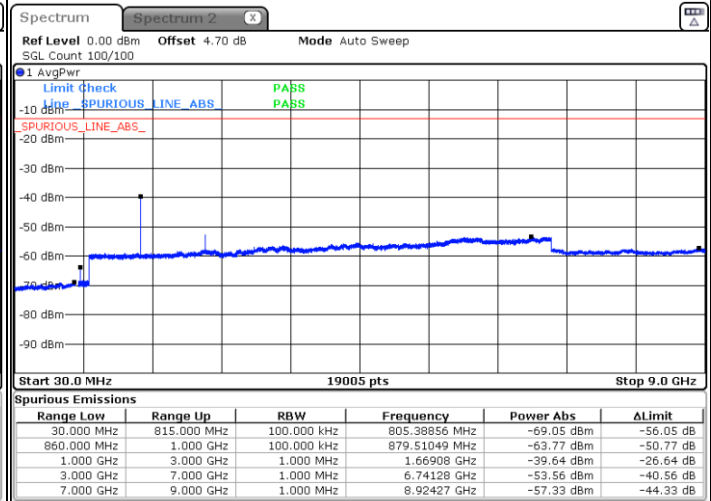
FR1 n5 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

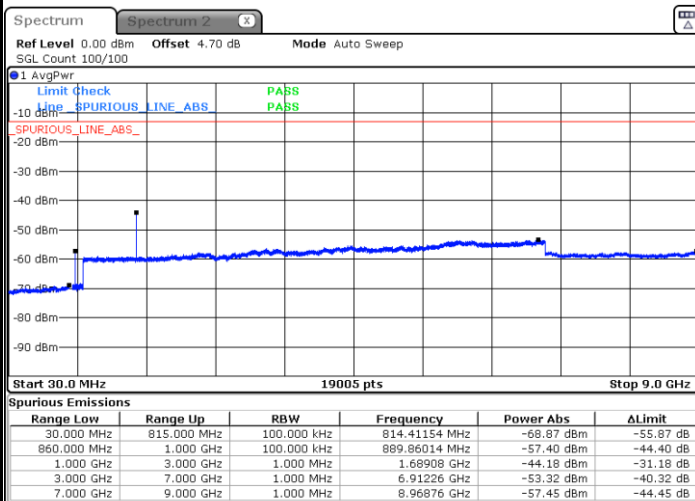


Date: 13.FEB.2022 12:14:15



Date: 13.FEB.2022 12:15:31

Highest Channel / 1RB1



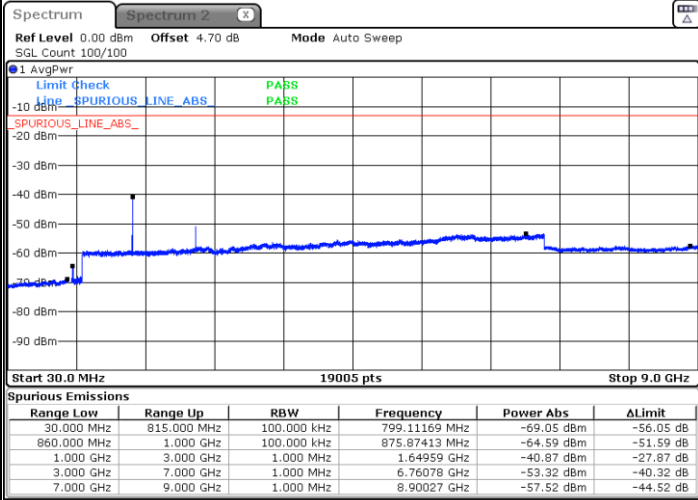
Date: 13.FEB.2022 12:16:32



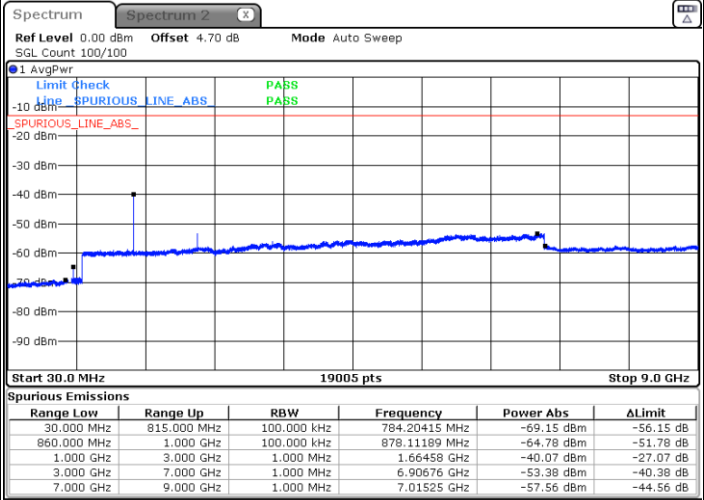
FR1 n5/ 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

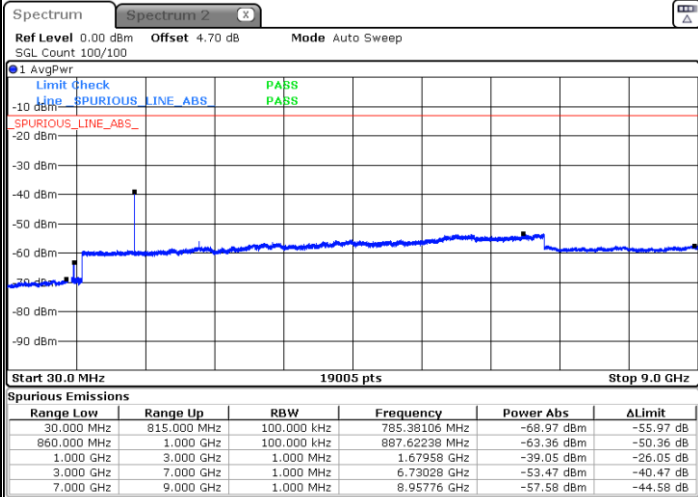


Date: 13.FEB.2022 12:40:51



Date: 13.FEB.2022 12:42:17

Highest Channel / 1RB1



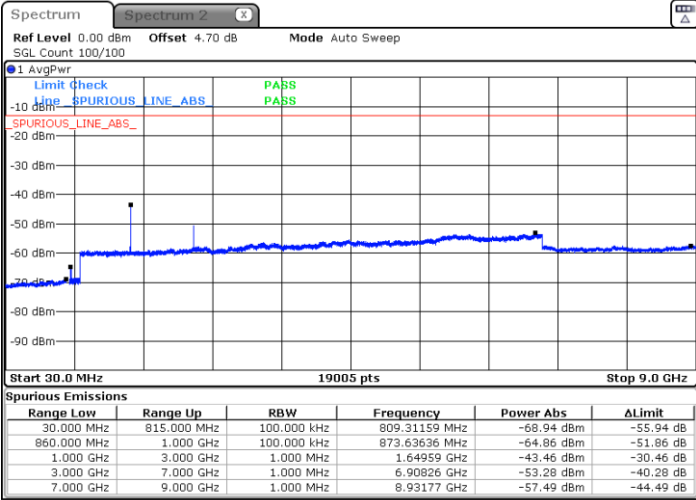
Date: 13.FEB.2022 12:43:38



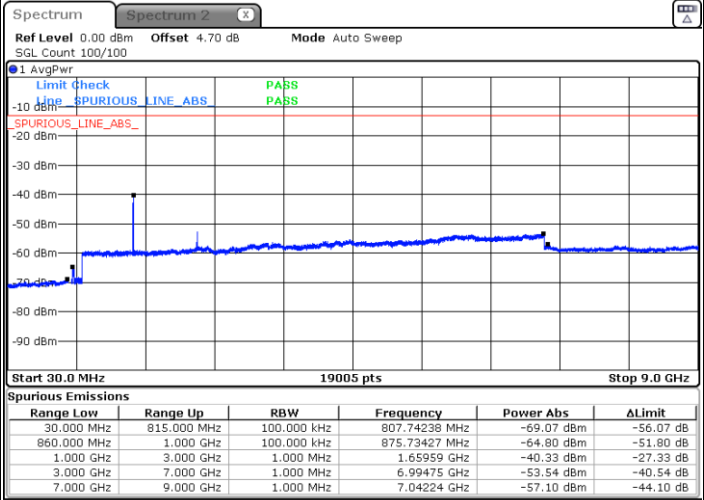
FR1 n5 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

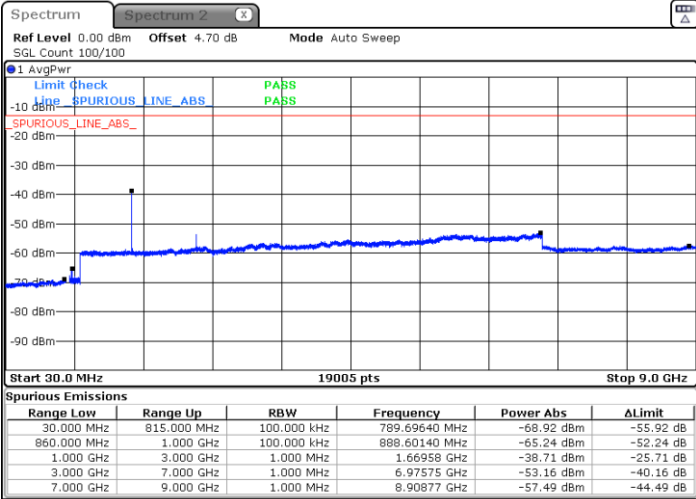


Date: 13.FEB.2022 13:16:34



Date: 13.FEB.2022 13:18:17

Highest Channel / 1RB1



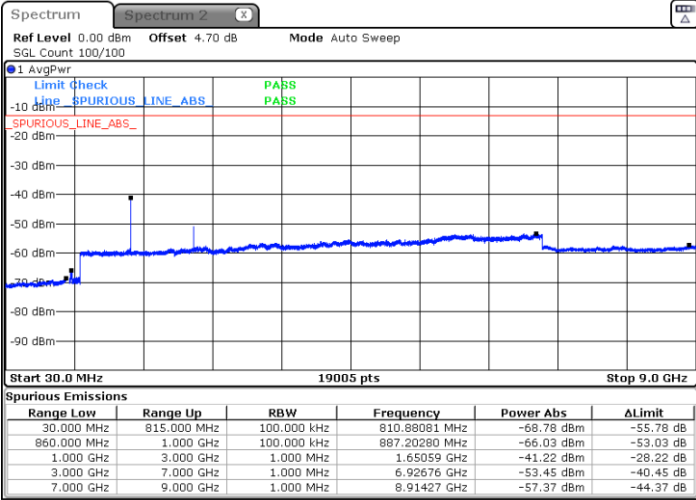
Date: 13.FEB.2022 13:19:16



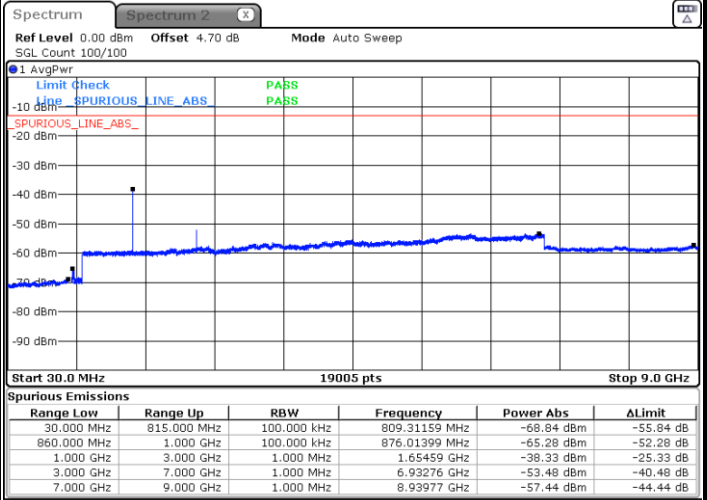
FR1 n5 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

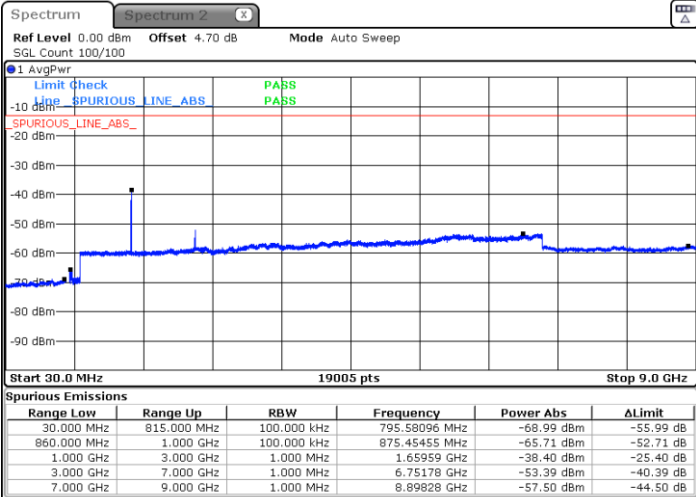


Date: 13.FEB.2022 13:39:48



Date: 13.FEB.2022 13:41:25

Highest Channel / 1RB1



Date: 13.FEB.2022 13:42:17



**Frequency Stability**

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0035	
20	Battery End Point	0.0053	

**Note:**

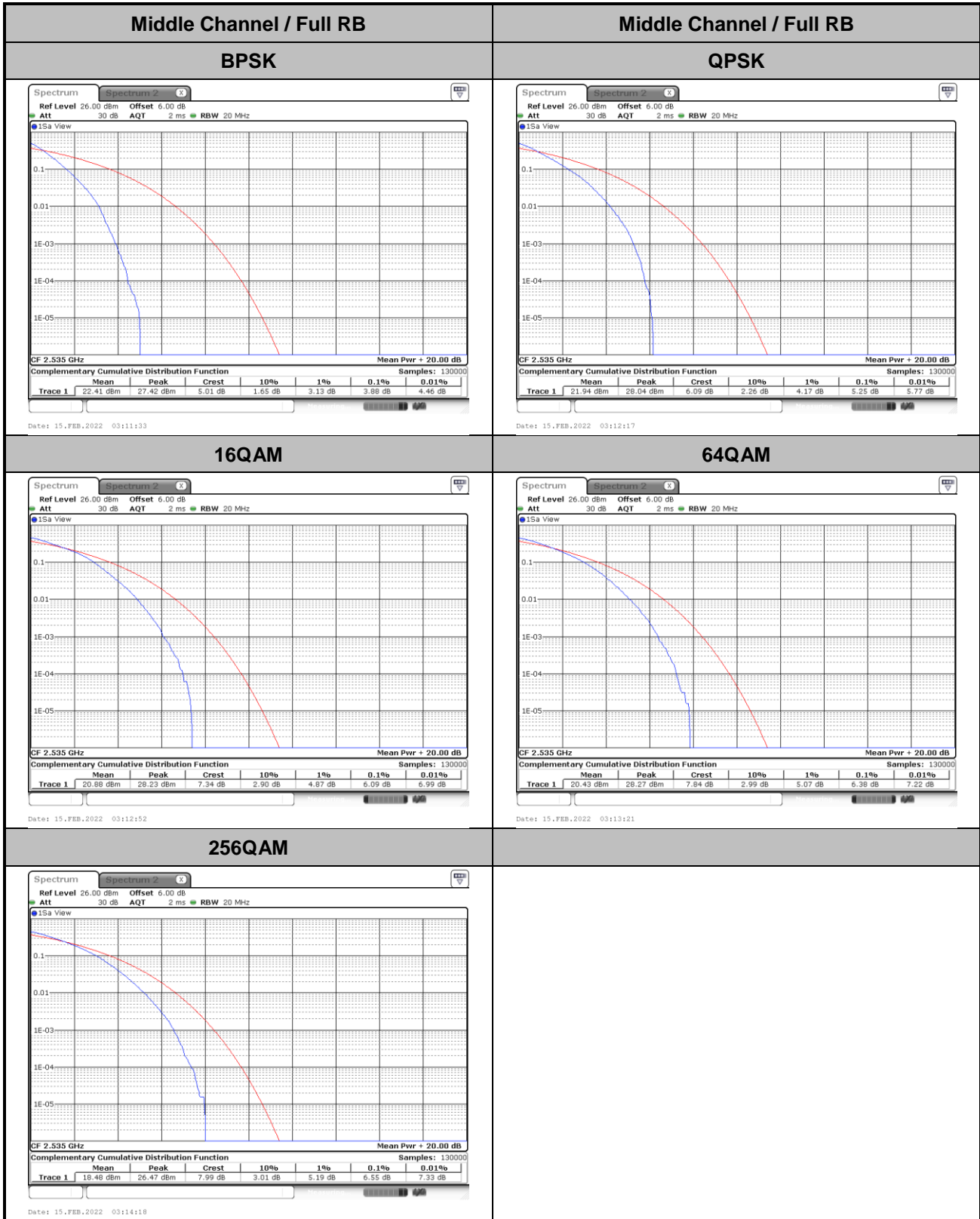
- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# FR1 n7

## Peak-to-Average Ratio

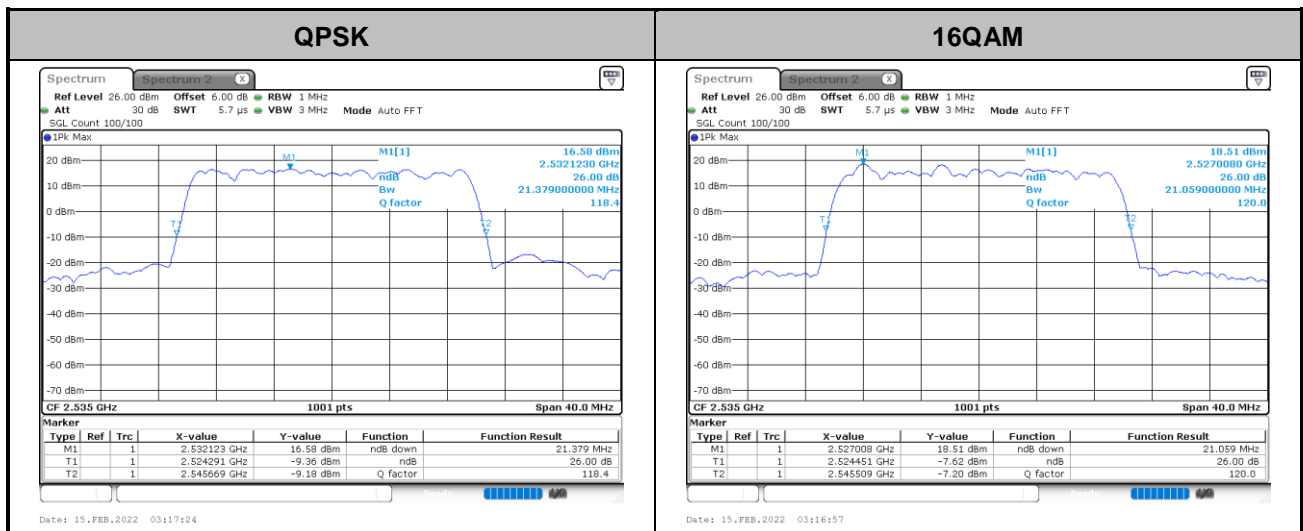
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
					PASS
Middle CH	3.88	5.25	6.09	6.38	
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
					PASS
Middle CH	6.55				





**26dB Bandwidth**

<b>Mode</b>	<b>FR1 n7 : 26dB BW(MHz) / DFT-S OFDM</b>	
<b>BW</b>	<b>20M</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	21.38	21.06

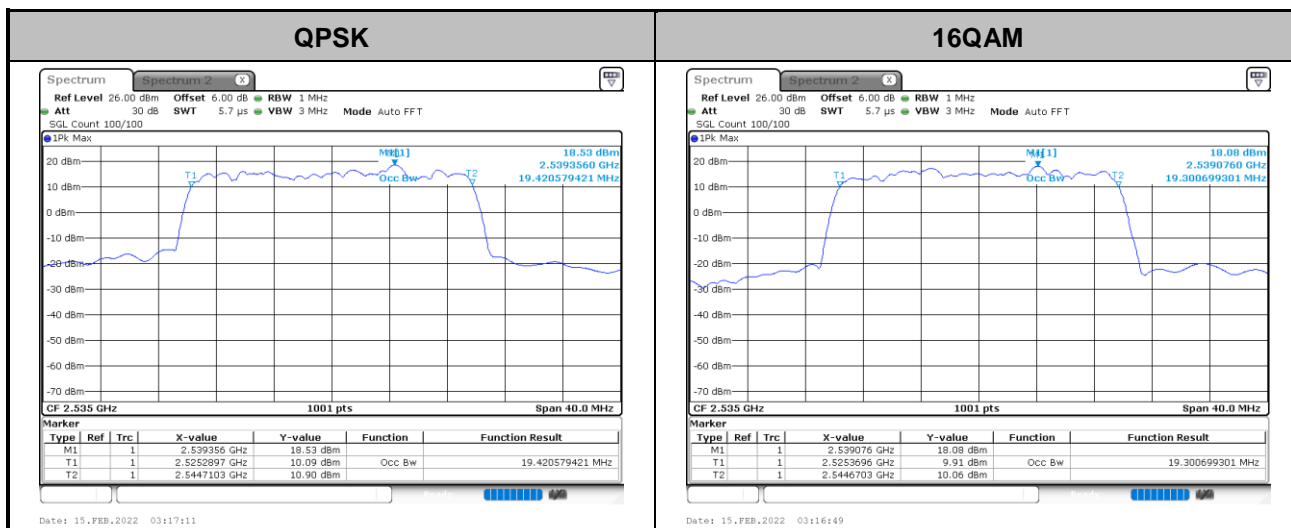






# Occupied Bandwidth

<b>Mode</b>	<b>FR1 n7 : 99%OBW(MHz) / DFT-S OFDM</b>	
<b>BW</b>	<b>20M</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.42	19.30



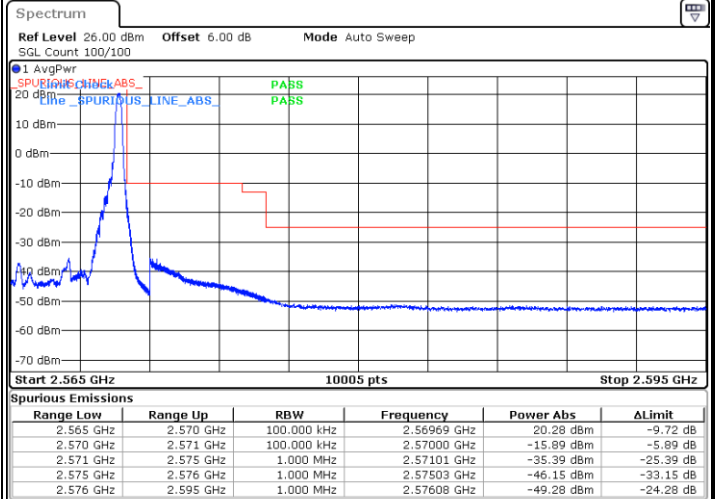
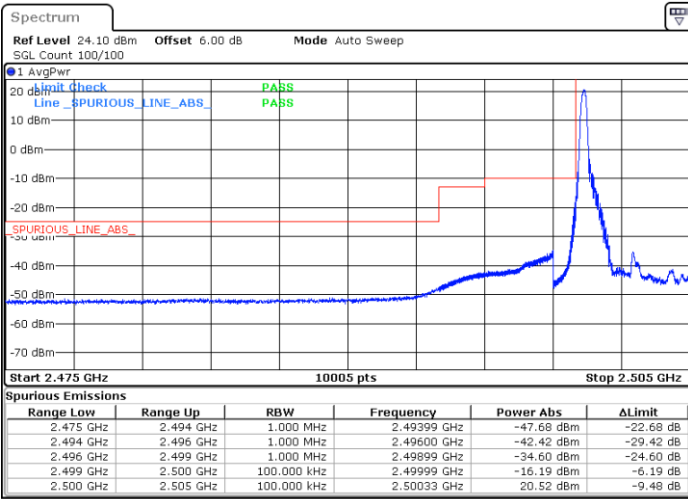


# Conducted Band Edge

FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

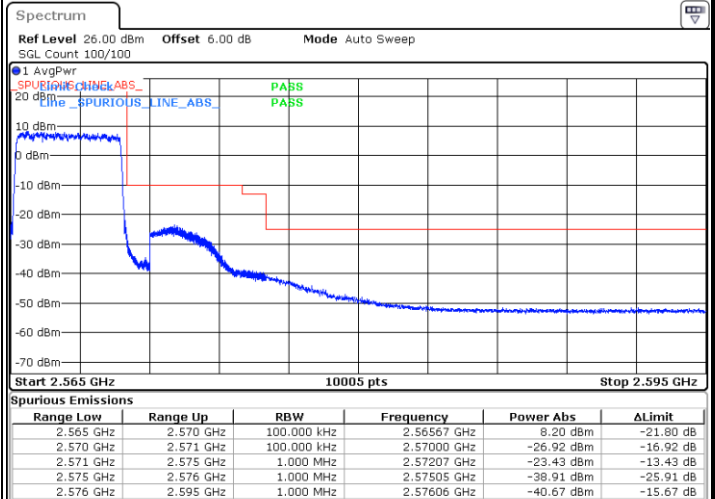
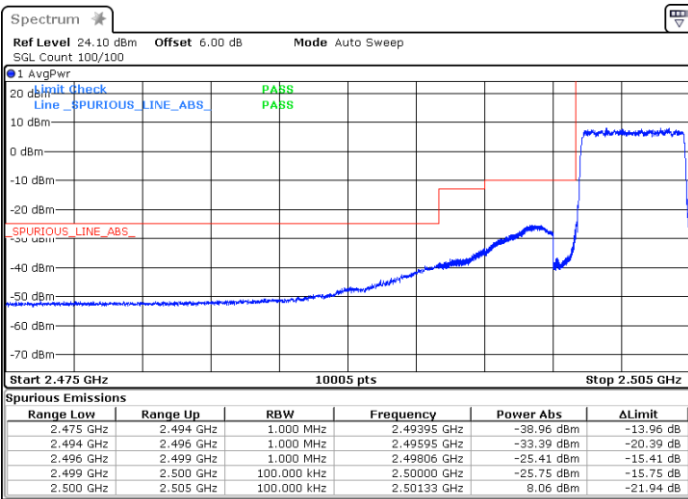


Date: 14.FEB.2022 22:17:00

Date: 14.FEB.2022 23:00:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.FEB.2022 22:11:27

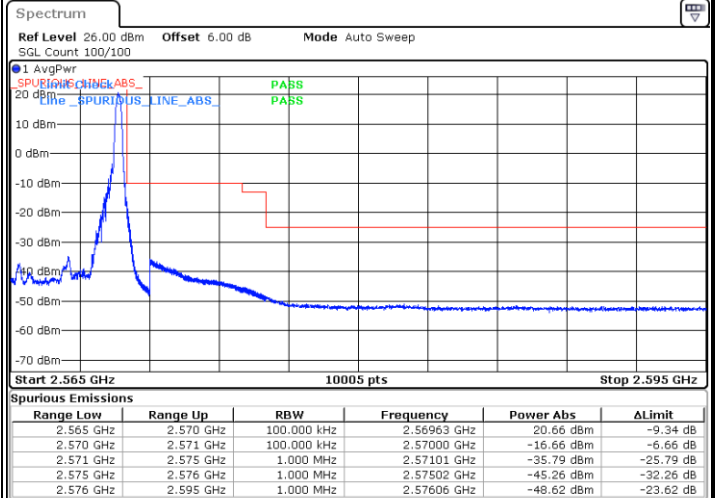
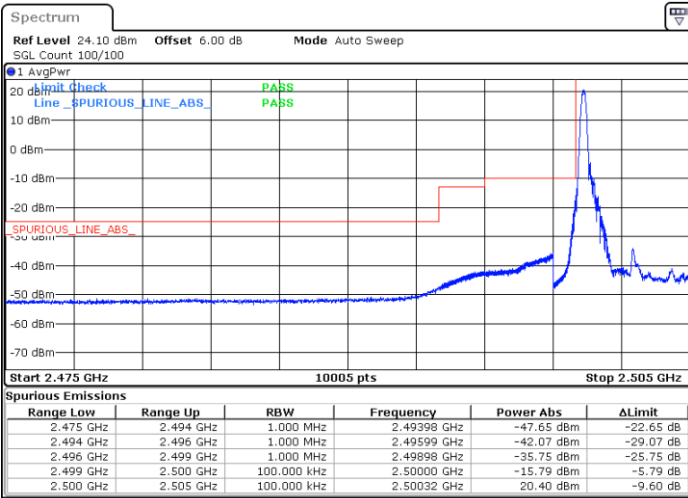
Date: 14.FEB.2022 22:49:49



FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

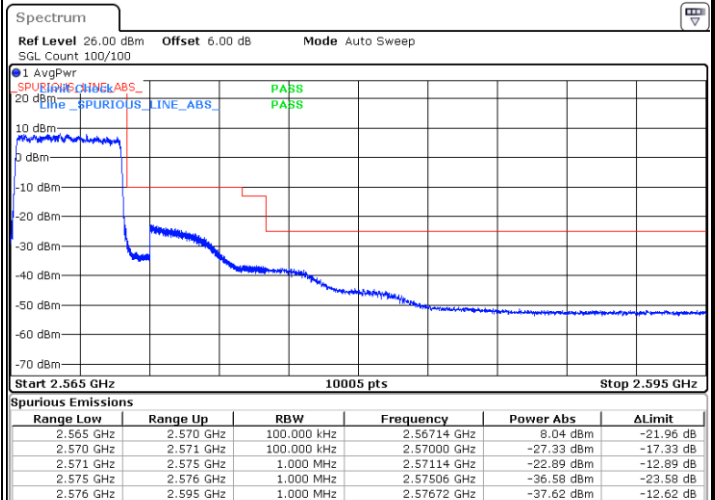
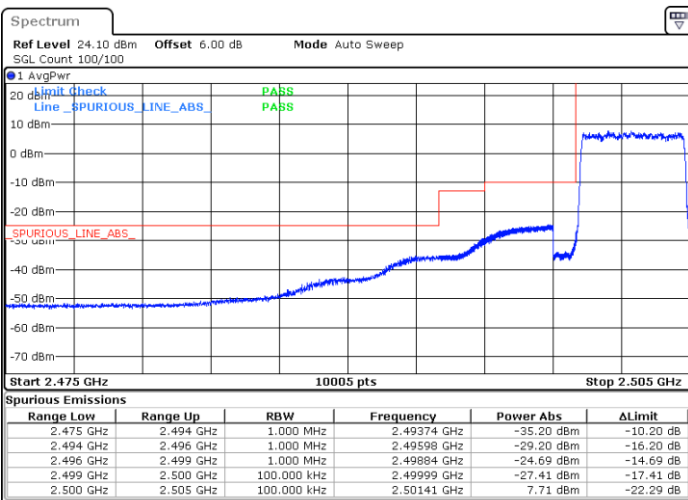


Date: 14.FEB.2022 22:15:29

Date: 14.FEB.2022 22:59:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.FEB.2022 22:11:48

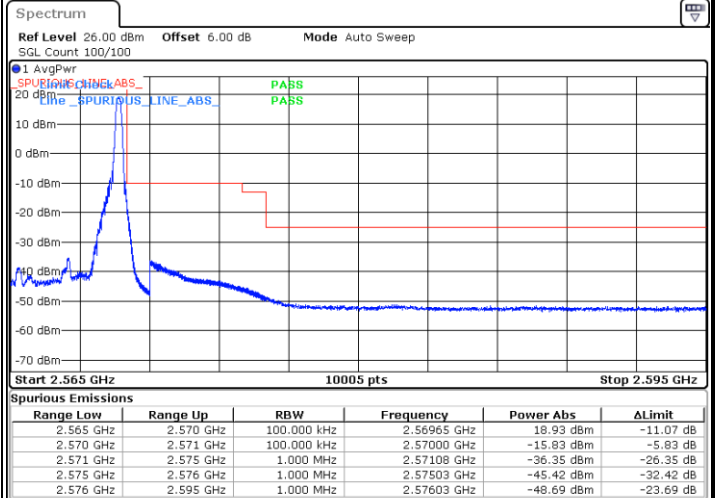
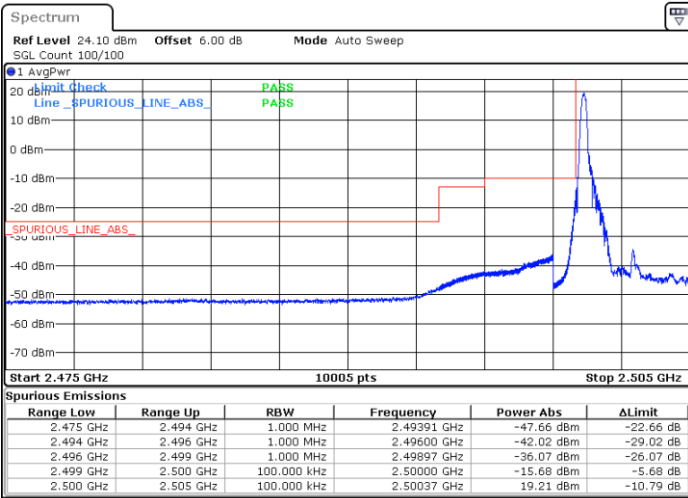
Date: 14.FEB.2022 22:51:33



FR1 n7 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

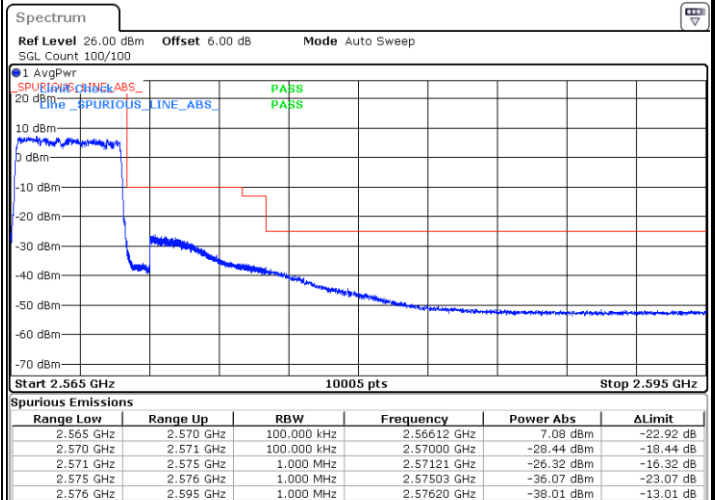
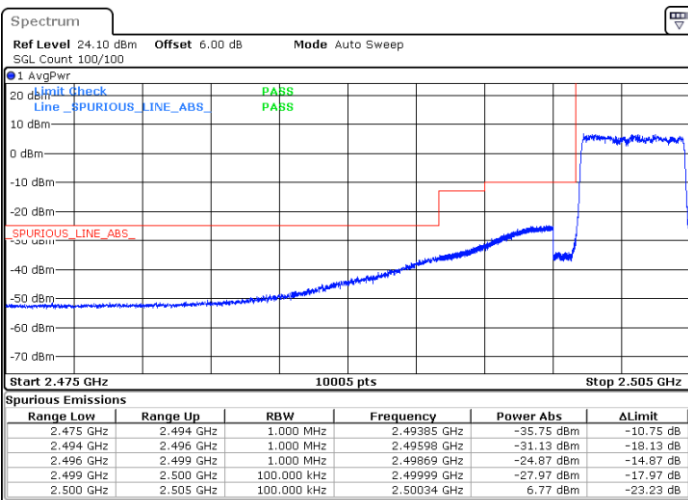


Date: 14.FEB.2022 22:15:07

Date: 14.FEB.2022 22:59:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.FEB.2022 22:12:08

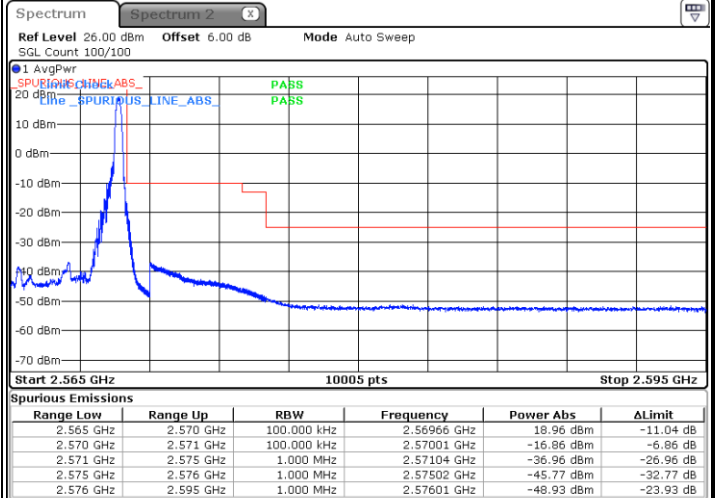
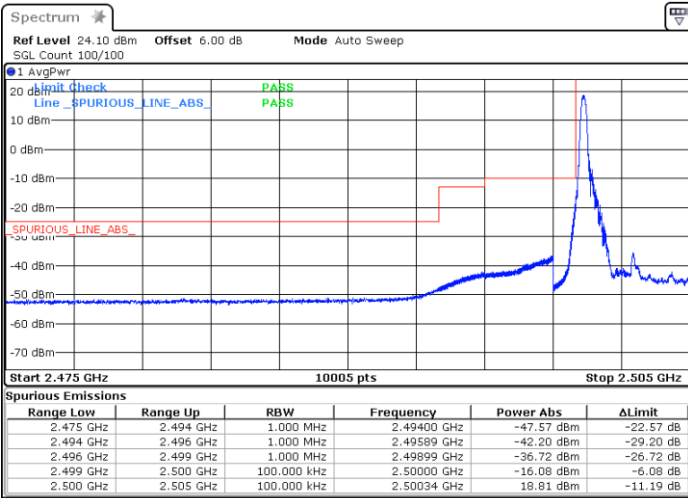
Date: 14.FEB.2022 22:51:51



FR1 n7 / 5MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

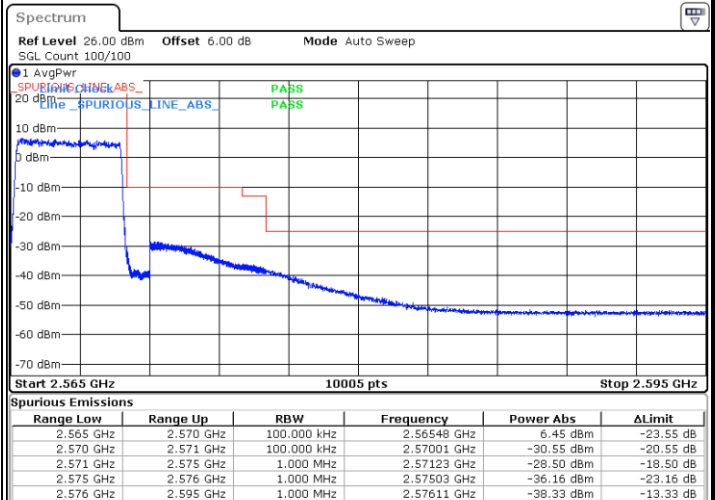
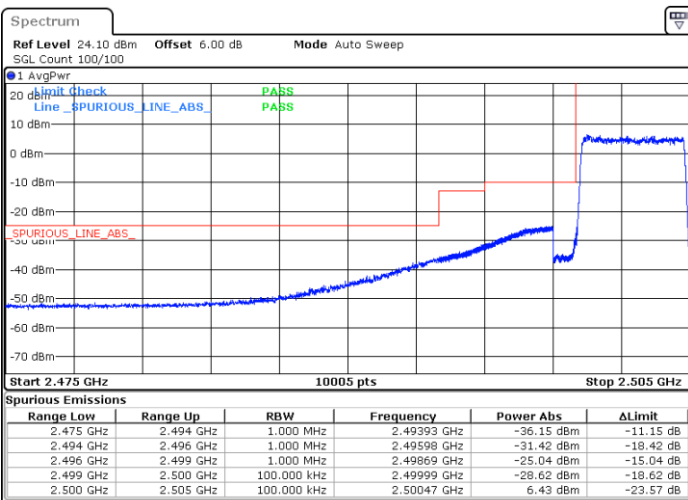


Date: 14.FEB.2022 22:14:31

Date: 15.FEB.2022 03:48:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.FEB.2022 22:12:28

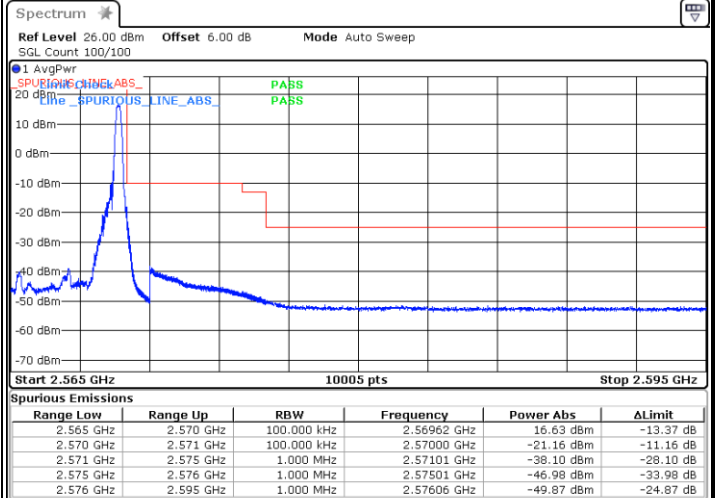
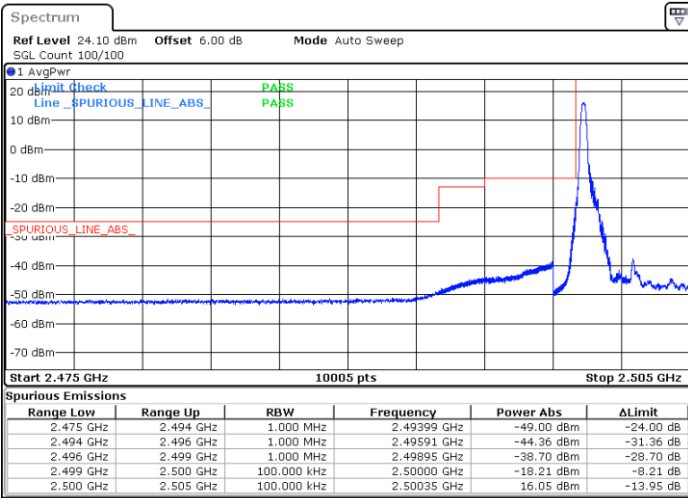
Date: 14.FEB.2022 22:52:25



FR1 n7 / 5MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

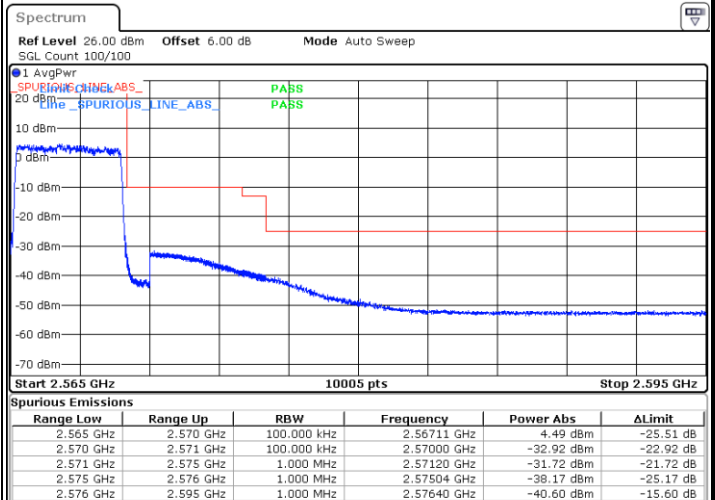
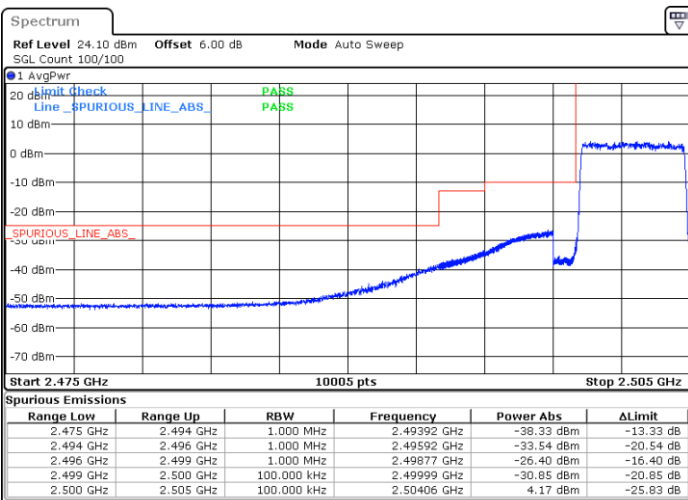


Date: 14.FEB.2022 22:13:43

Date: 14.FEB.2022 22:58:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.FEB.2022 22:13:20

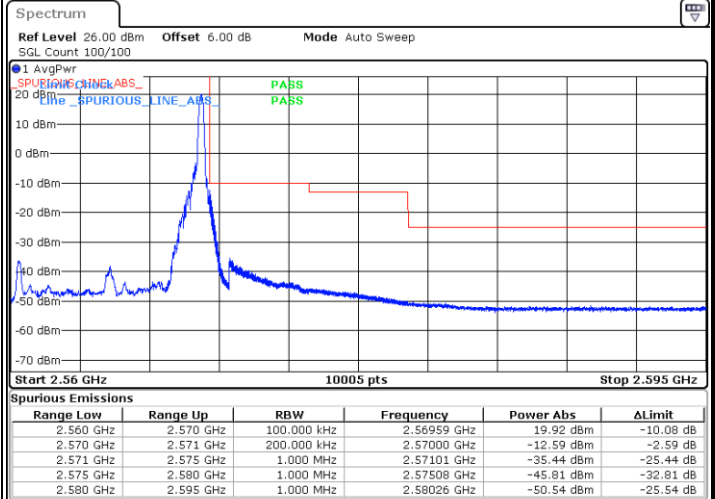
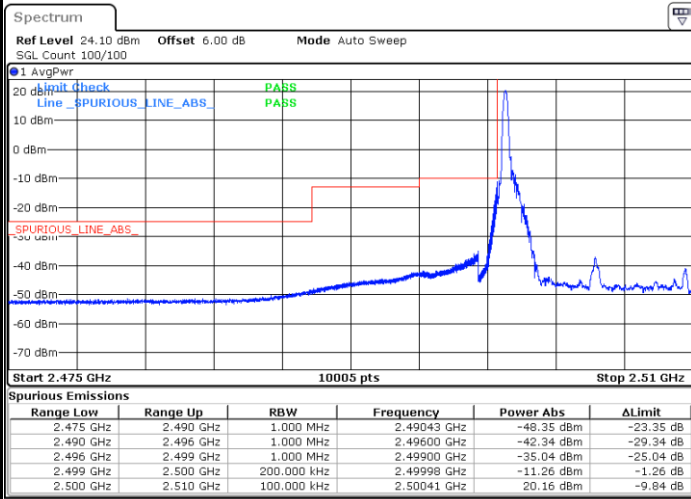
Date: 14.FEB.2022 22:52:51



FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

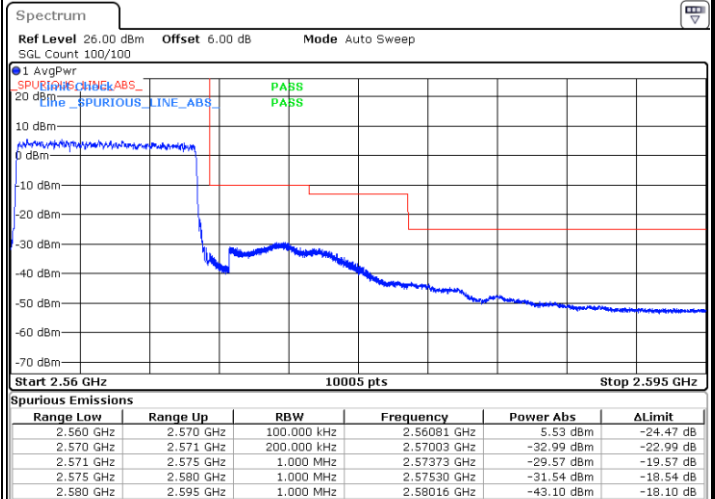
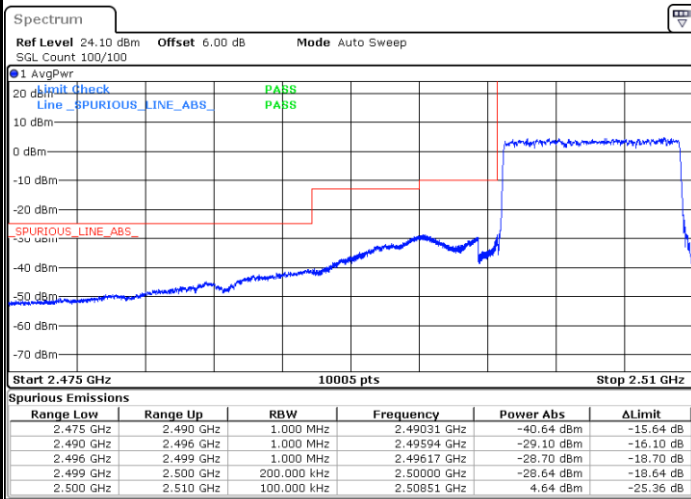


Date: 15.FEB.2022 01:29:13

Date: 15.FEB.2022 01:36:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:10:52

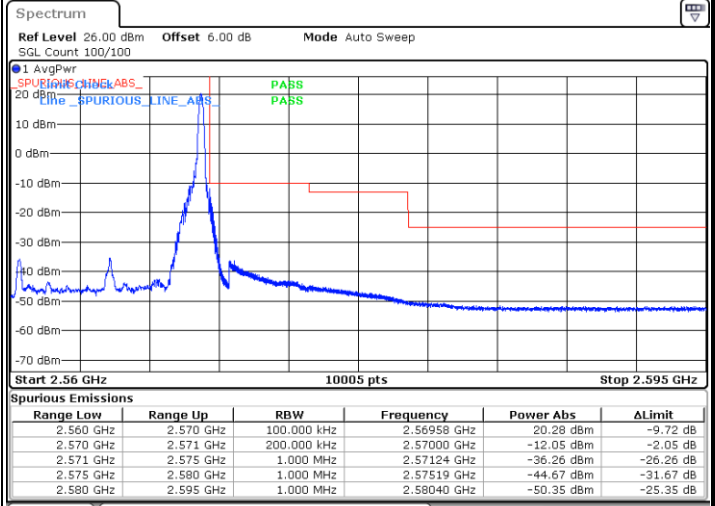
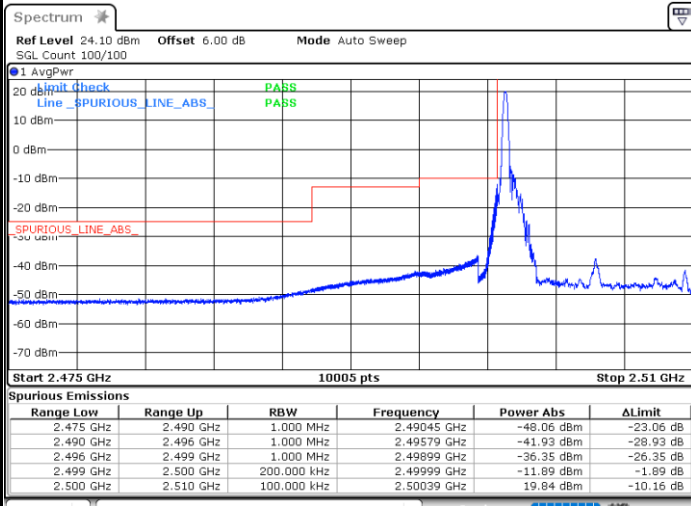
Date: 15.FEB.2022 01:31:54



FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

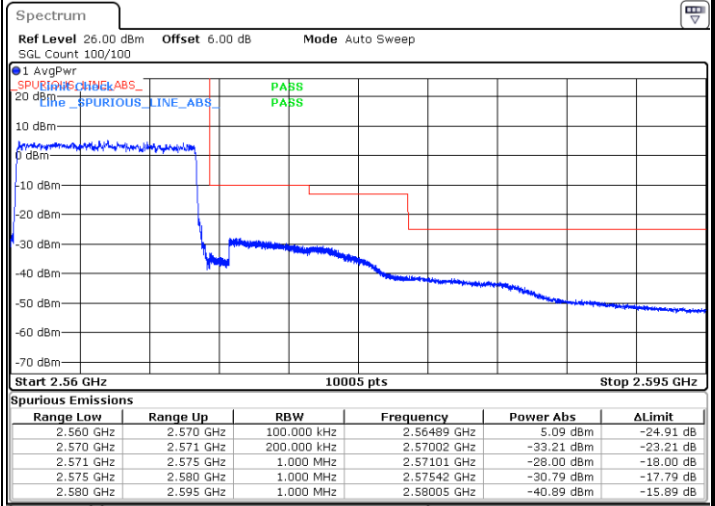
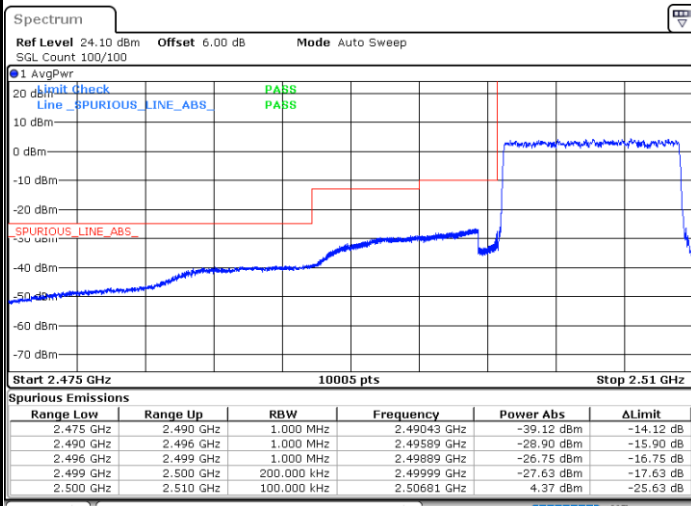


Date: 15.FEB.2022 01:17:54

Date: 15.FEB.2022 01:35:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:11:24

Date: 15.FEB.2022 01:32:23

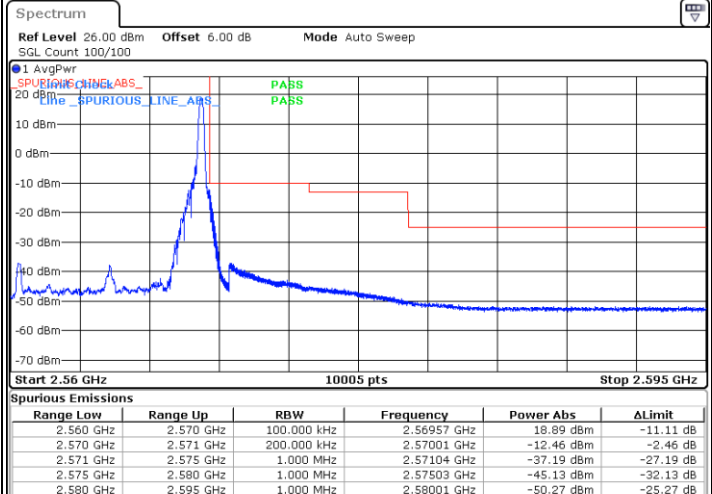
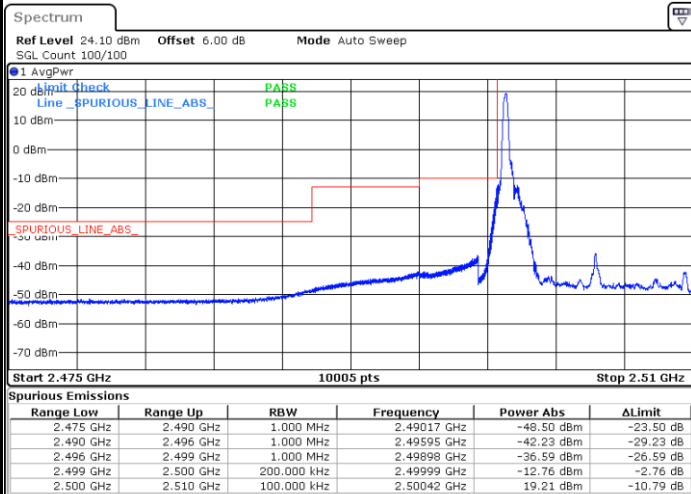




FR1 n7 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

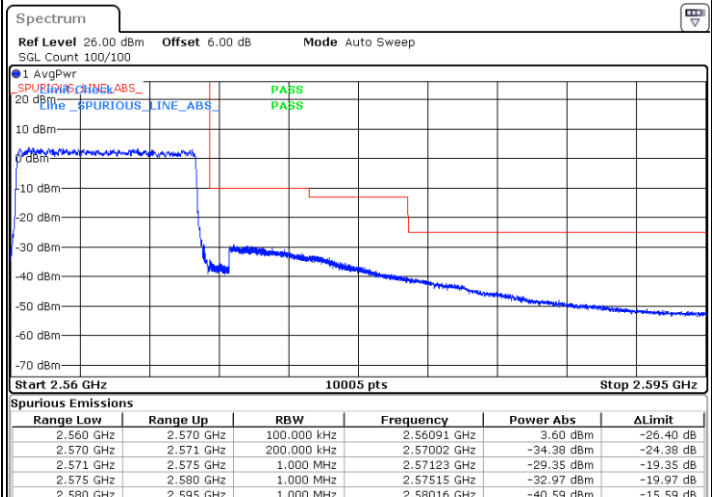
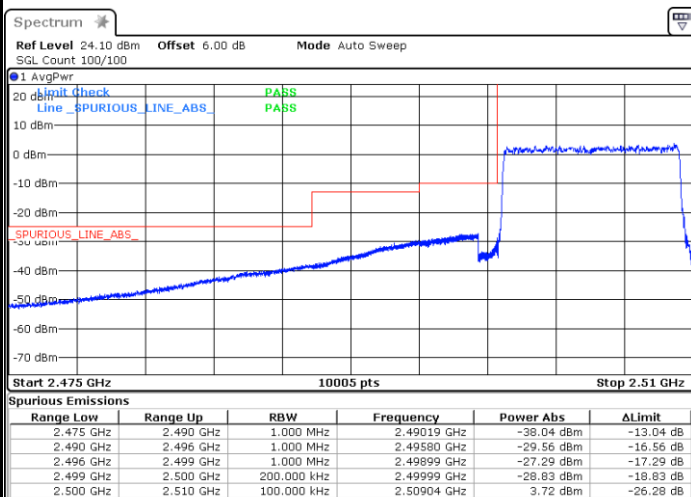


Date: 15.FEB.2022 01:17:20

Date: 15.FEB.2022 01:35:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:13:15

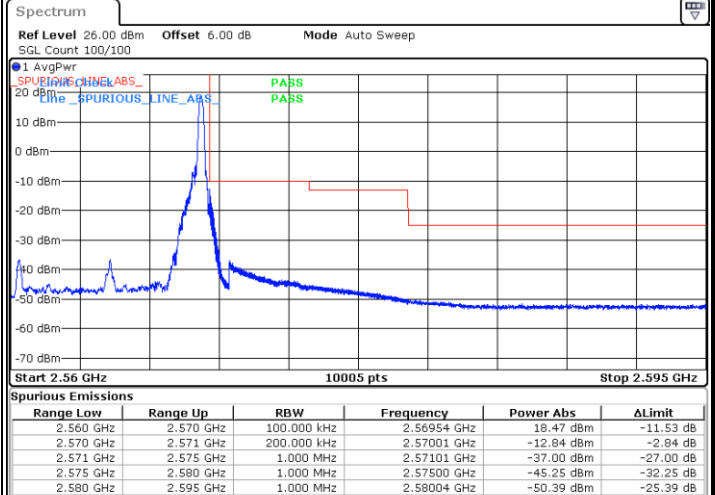
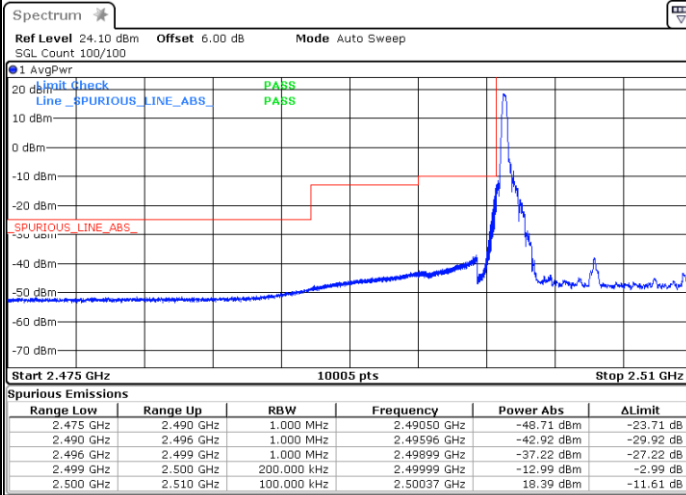
Date: 15.FEB.2022 01:32:41



FR1 n7 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

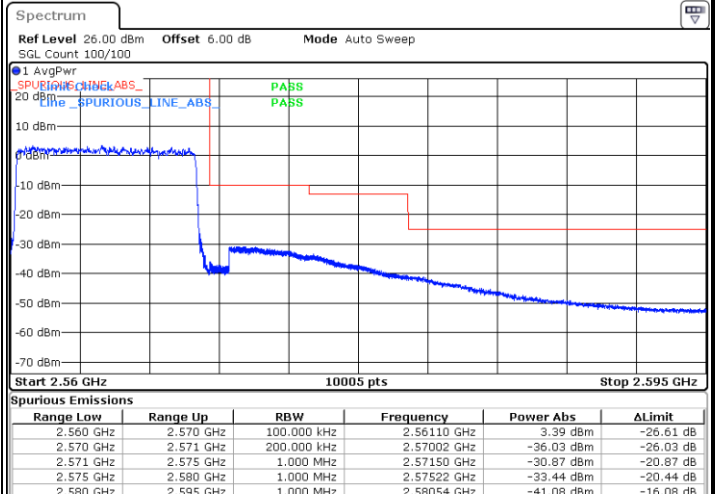
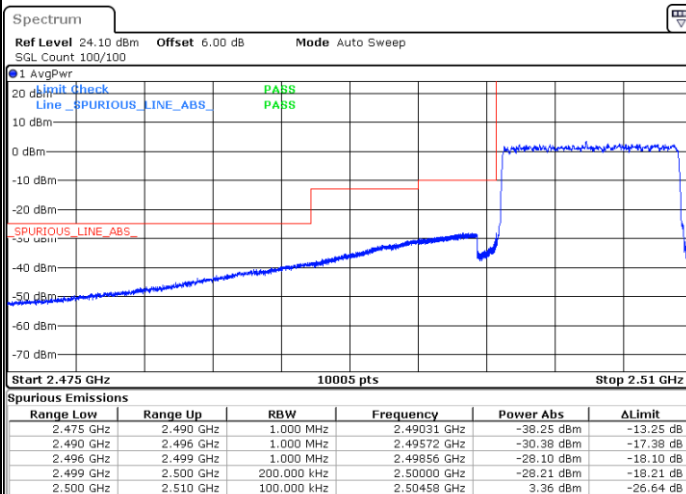


Date: 15.FEB.2022 01:16:50

Date: 15.FEB.2022 01:34:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:14:02

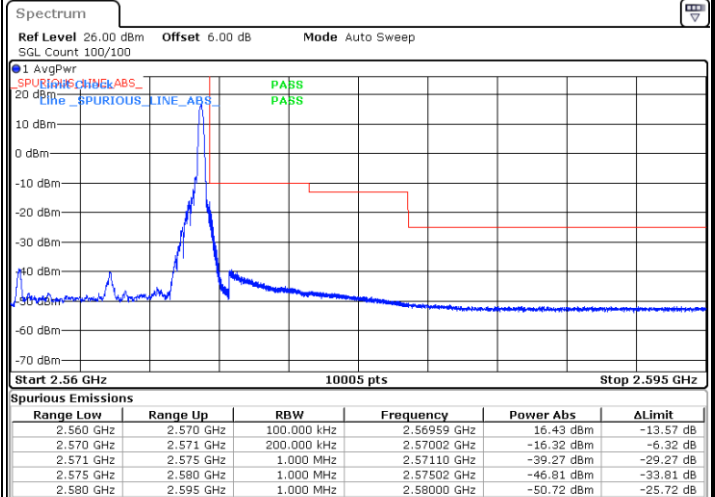
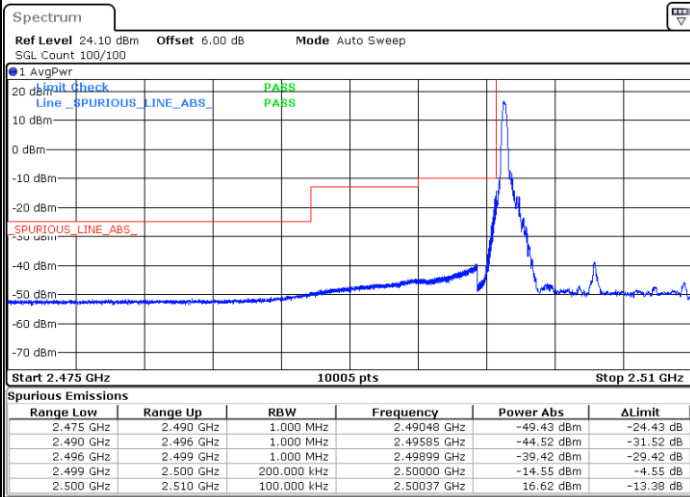
Date: 15.FEB.2022 01:32:58



FR1 n7 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

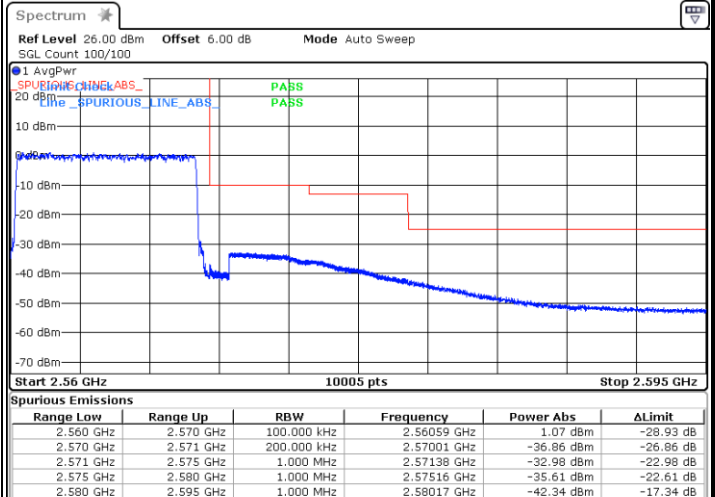
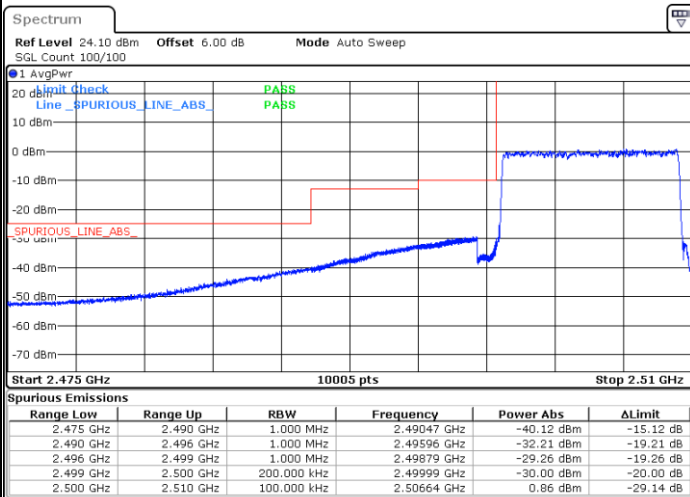


Date: 15.FEB.2022 01:16:09

Date: 15.FEB.2022 01:34:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:15:03

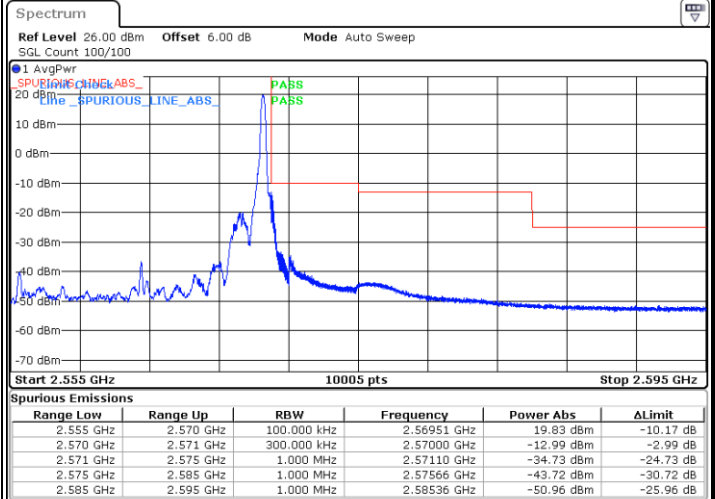
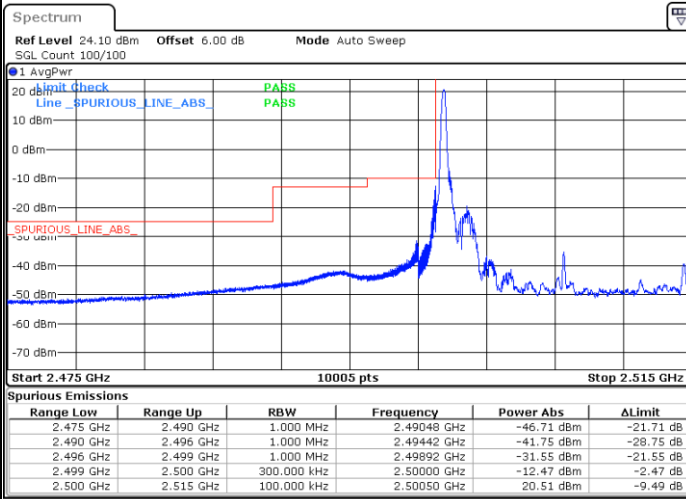
Date: 15.FEB.2022 01:34:07



FR1 n7 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

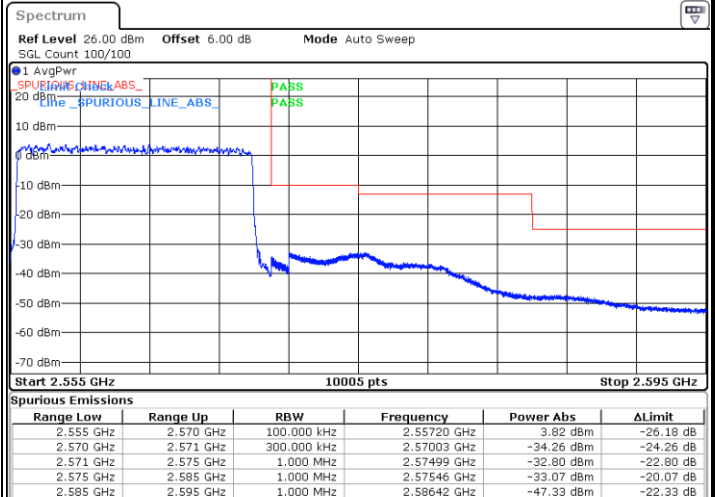
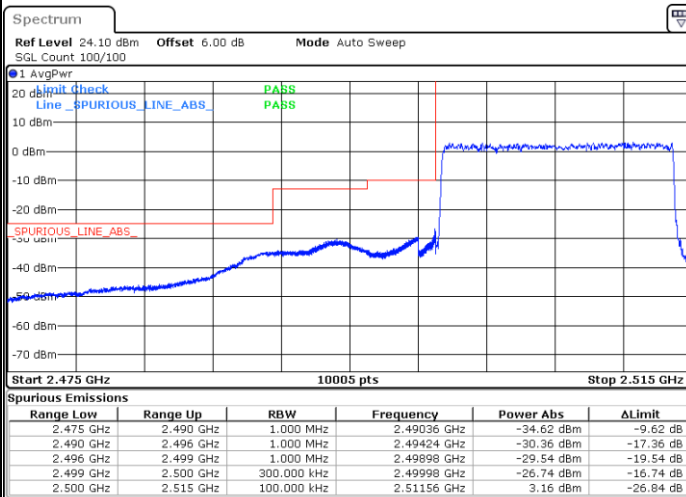


Date: 15.FEB.2022 01:44:07

Date: 15.FEB.2022 01:59:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:39:19

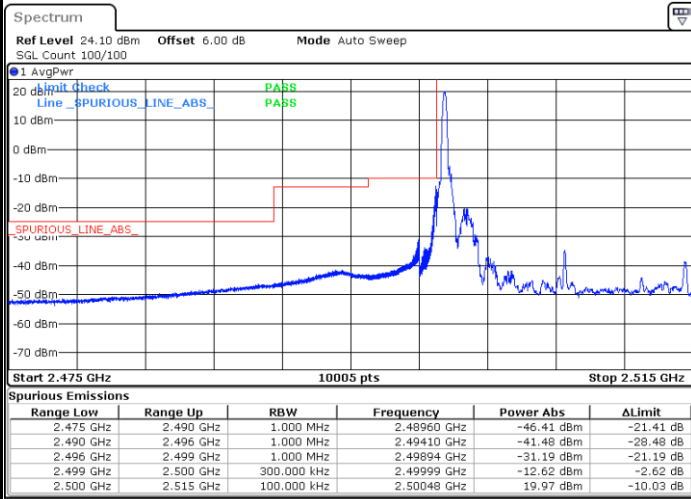
Date: 15.FEB.2022 01:50:59



FR1 n7 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

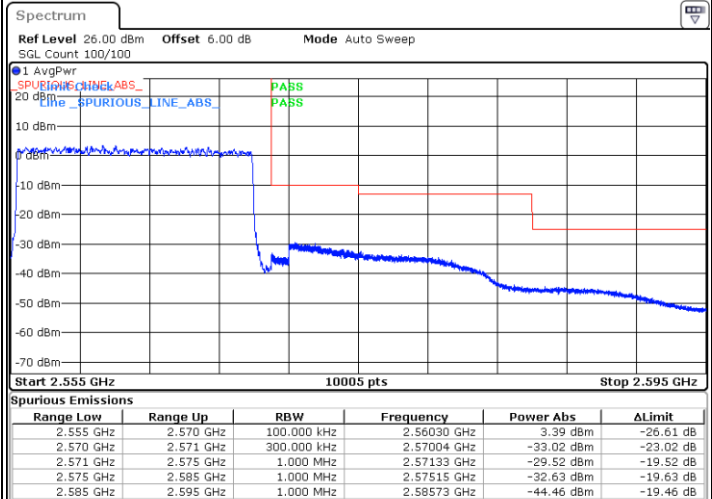
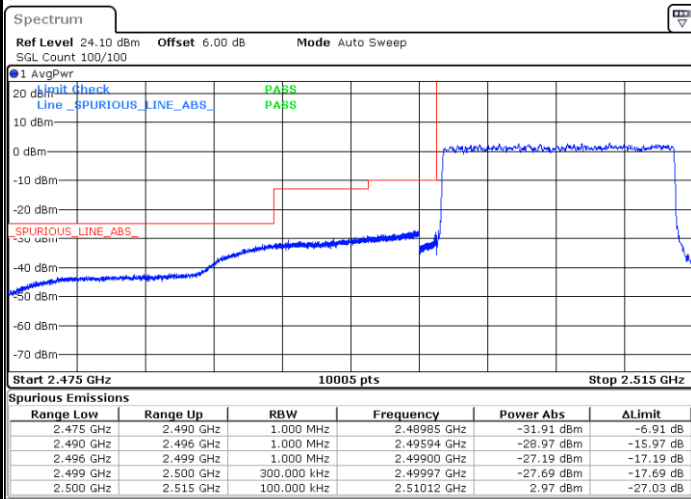


Date: 15.FEB.2022 01:43:34

Date: 15.FEB.2022 01:59:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:40:10

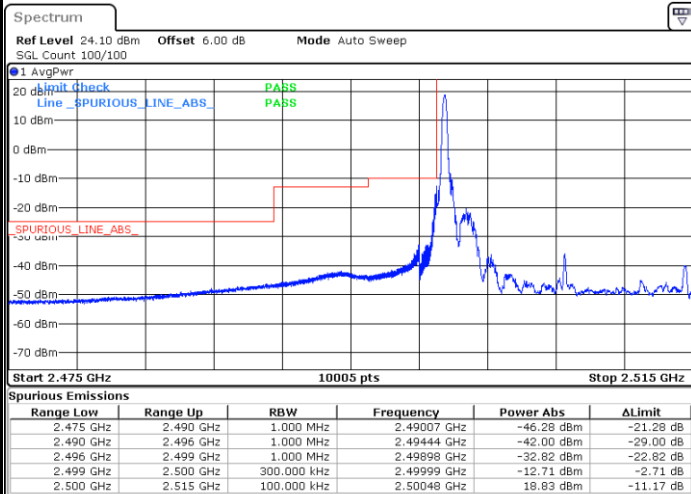
Date: 15.FEB.2022 01:51:49



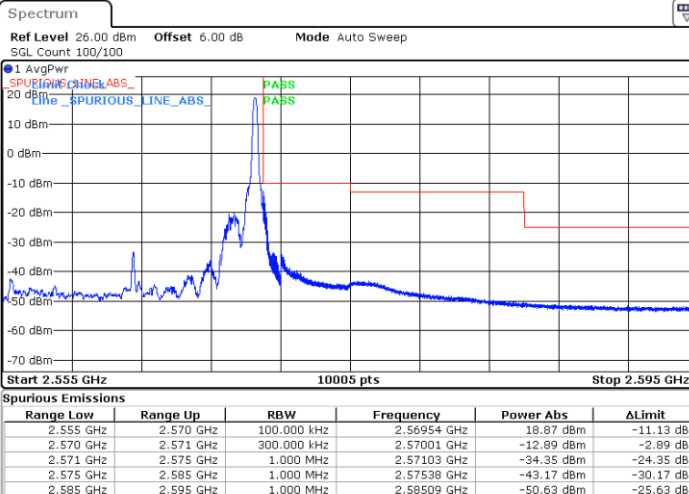
FR1 n7 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



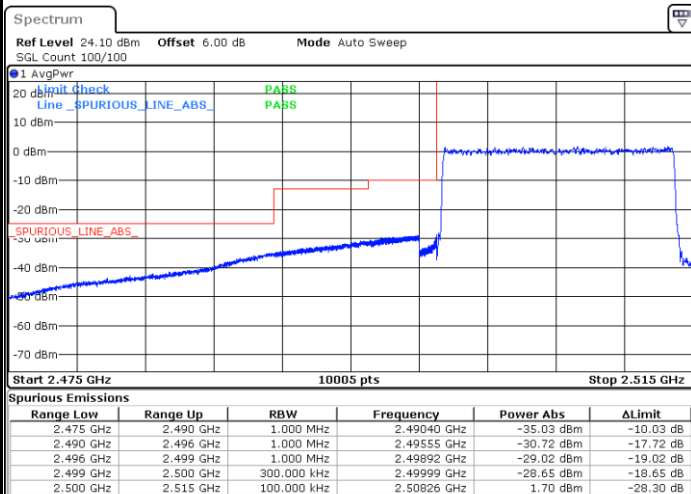
Date: 15.FEB.2022 01:43:04



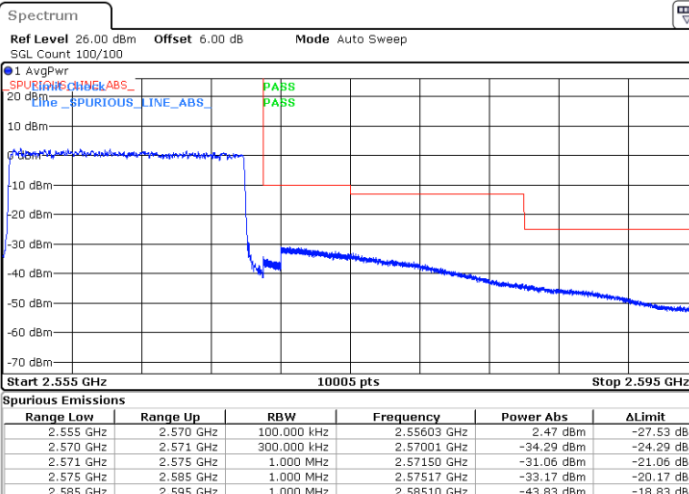
Date: 15.FEB.2022 01:58:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:40:49



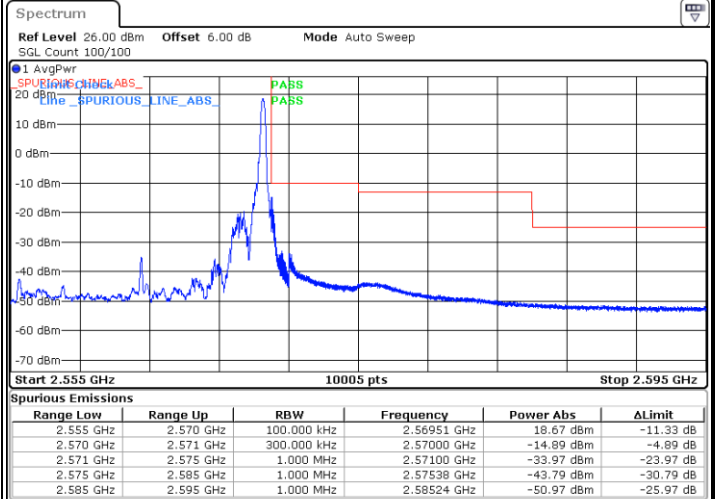
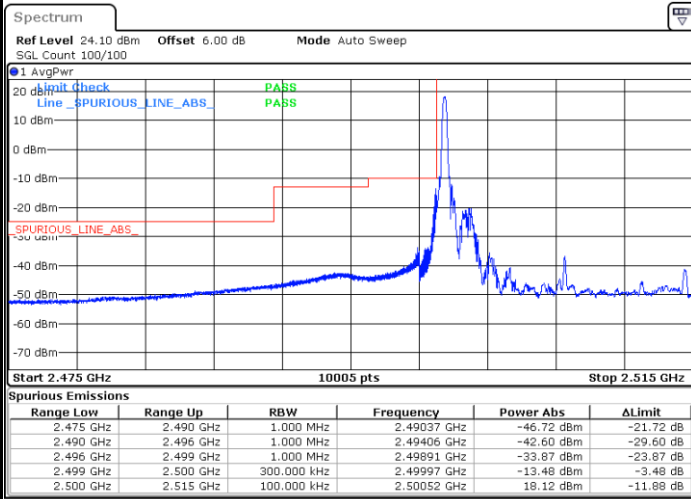
Date: 15.FEB.2022 01:54:40



FR1 n7 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

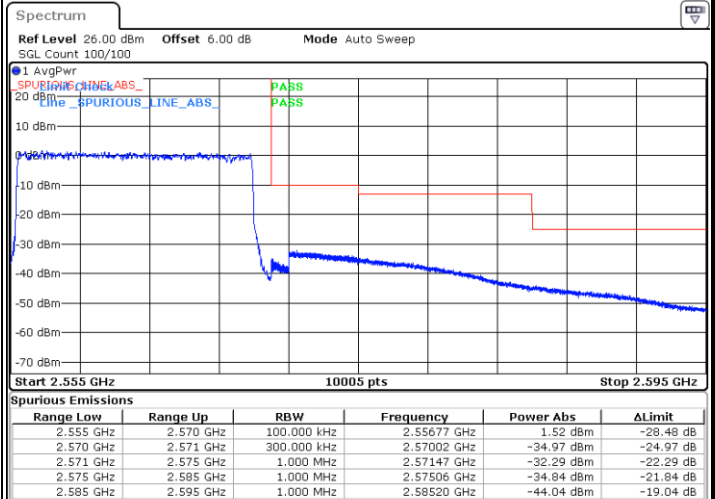
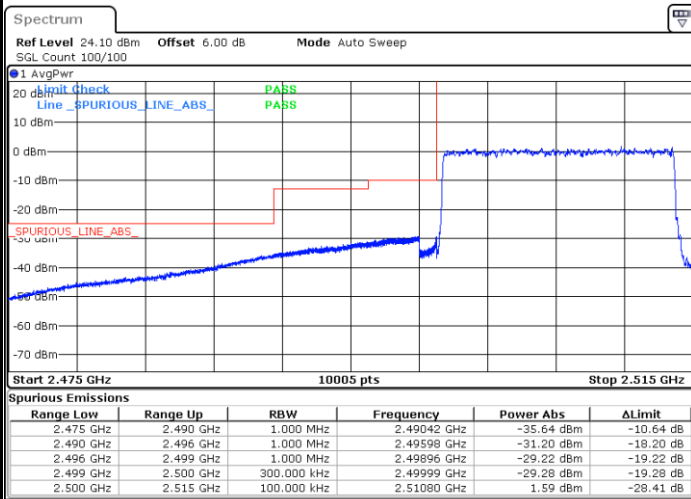


Date: 15.FEB.2022 01:42:44

Date: 15.FEB.2022 01:58:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:41:09

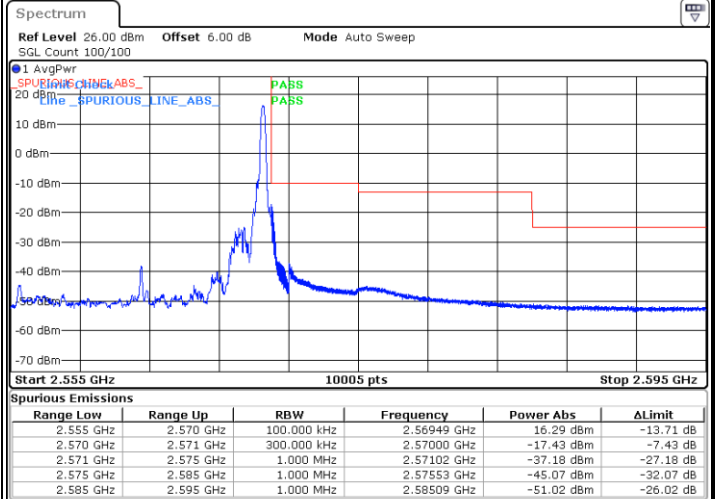
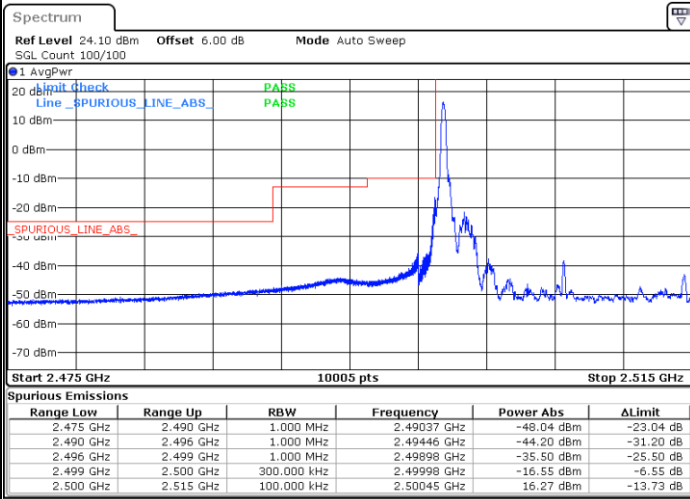
Date: 15.FEB.2022 01:56:26



FR1 n7 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

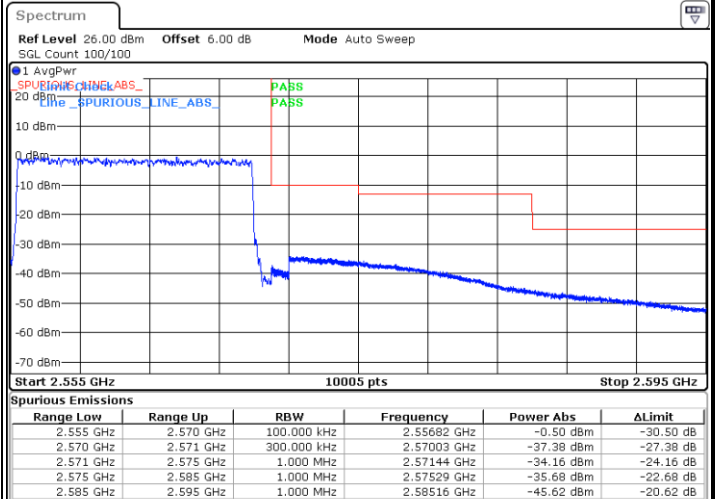
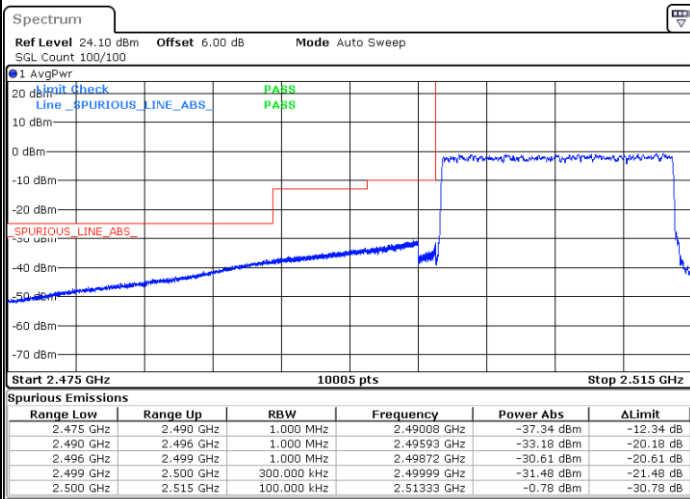


Date: 15.FEB.2022 01:42:19

Date: 15.FEB.2022 01:58:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 01:41:34

Date: 15.FEB.2022 01:57:07

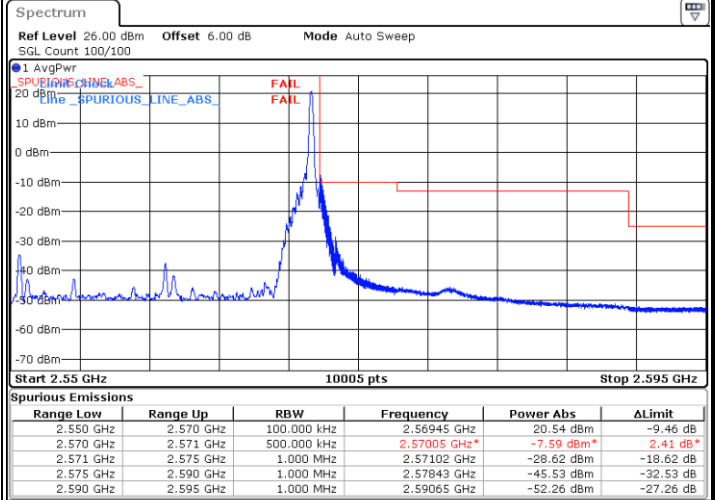
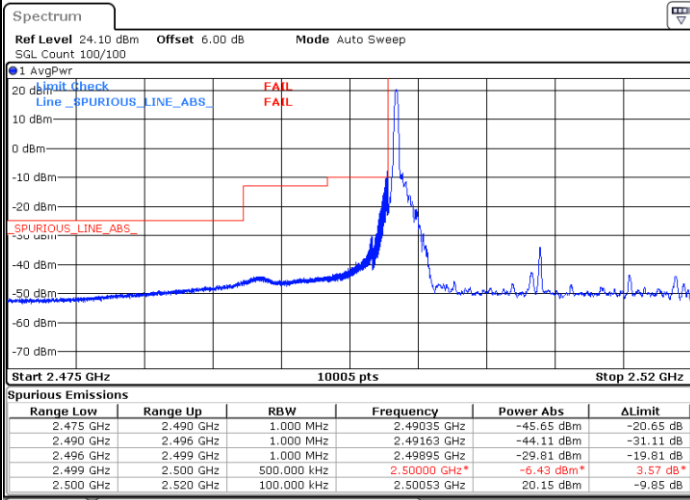




FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

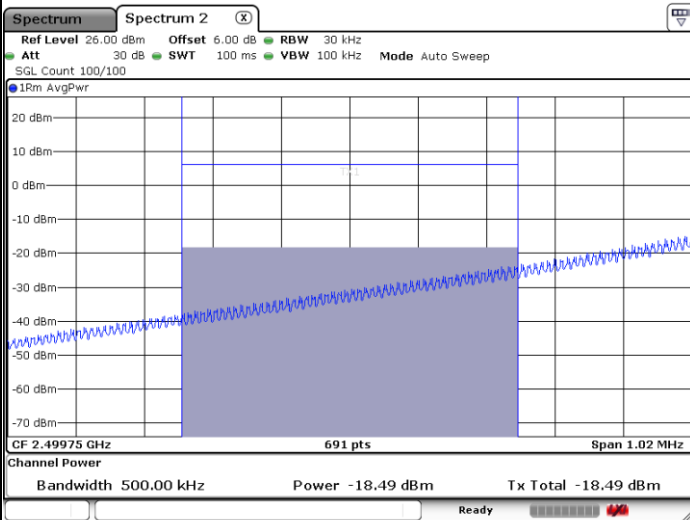
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

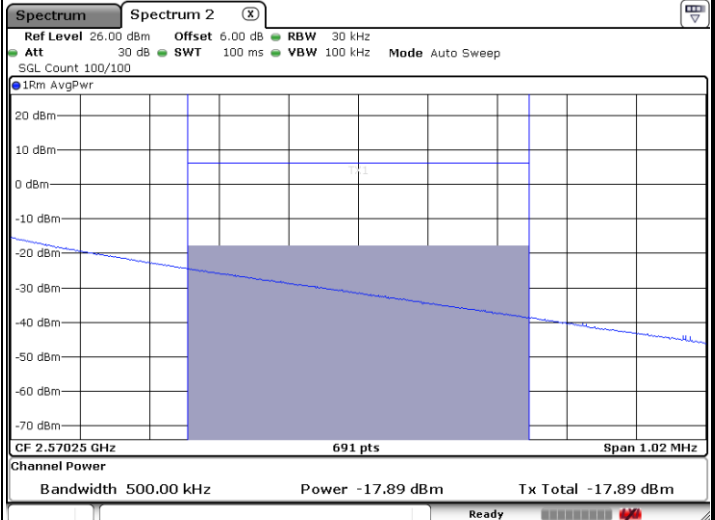


Date: 15.FEB.2022 02:27:07

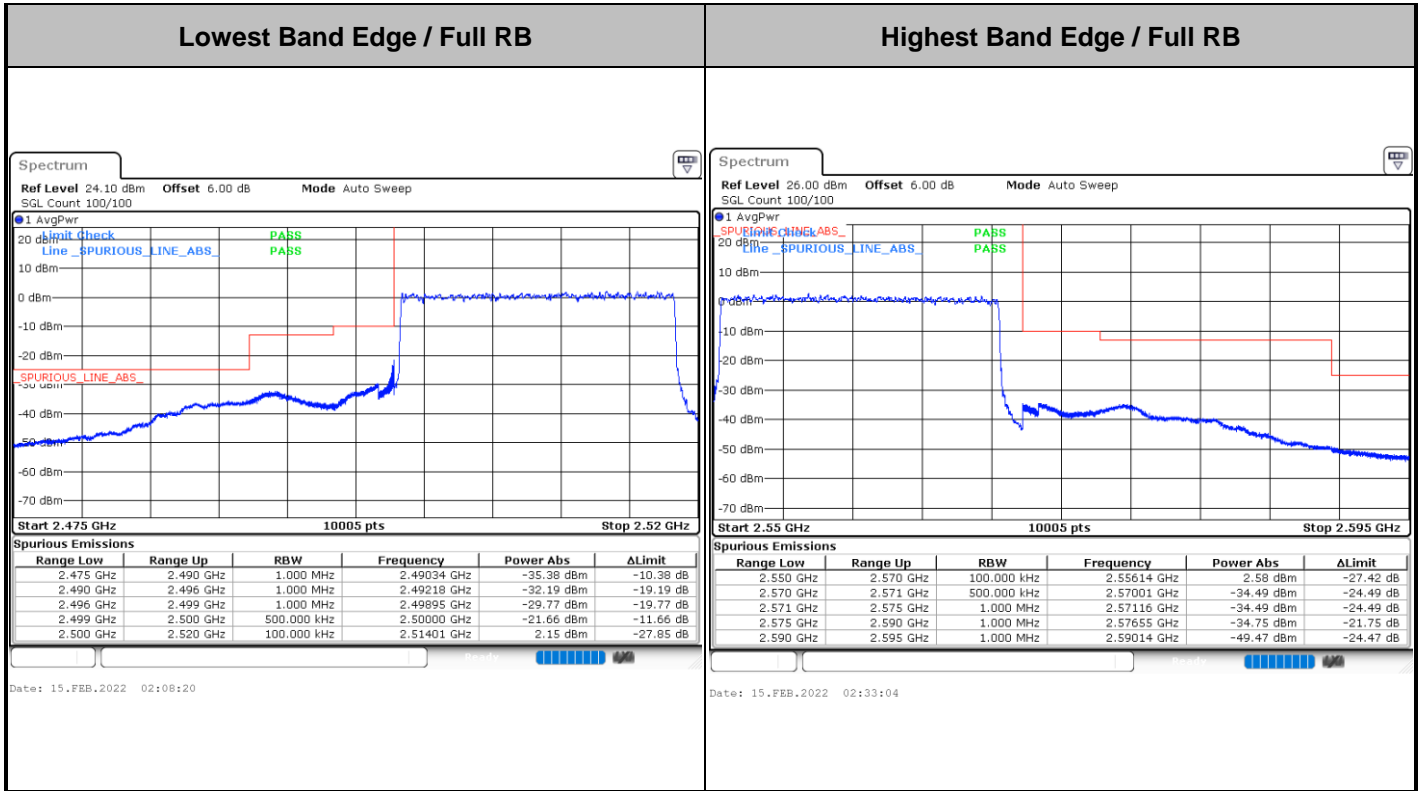
Date: 15.FEB.2022 02:47:30



Date: 15.FEB.2022 03:10:23



Date: 15.FEB.2022 02:56:23

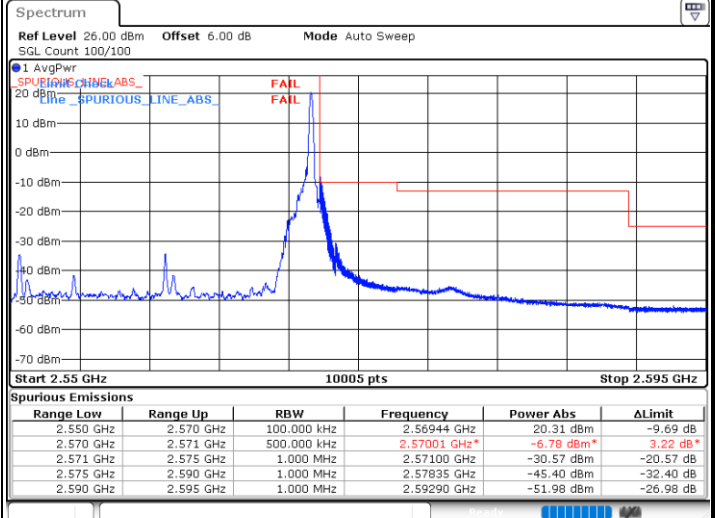
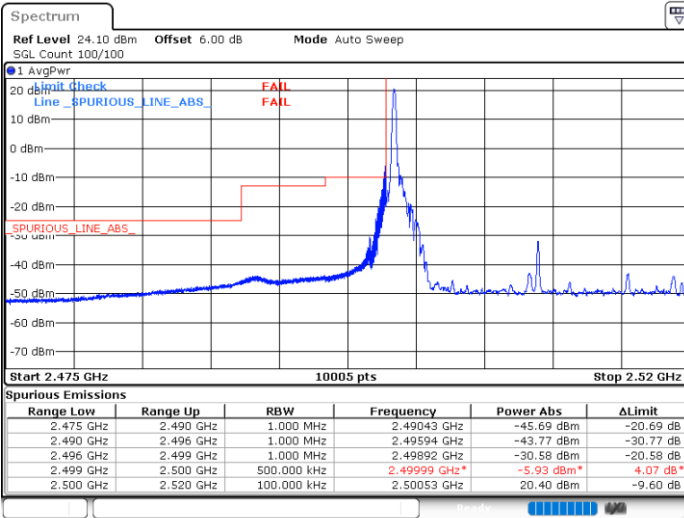




FR1 n7 / 20MHz / DFT-s-OFDM / QPSK

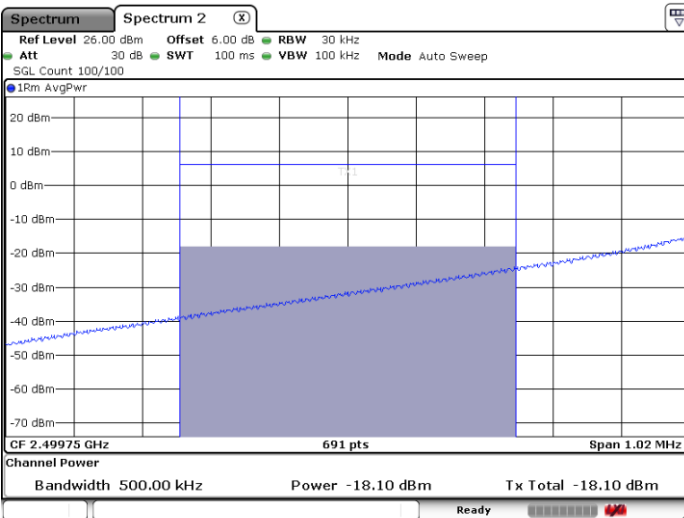
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

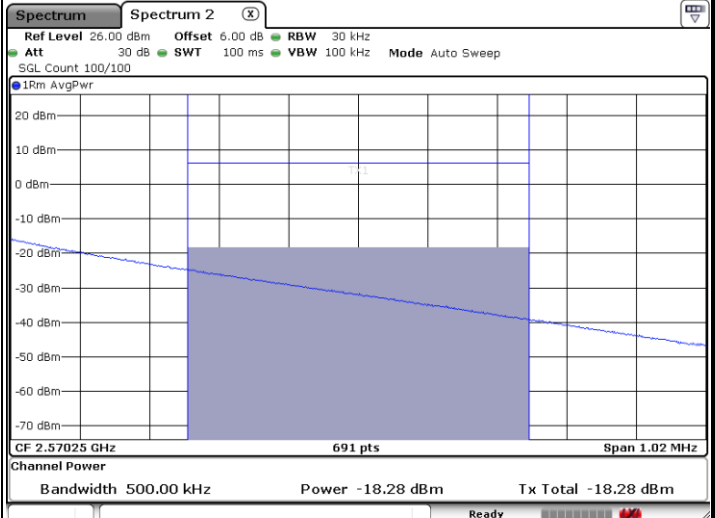


Date: 15.FEB.2022 02:26:38

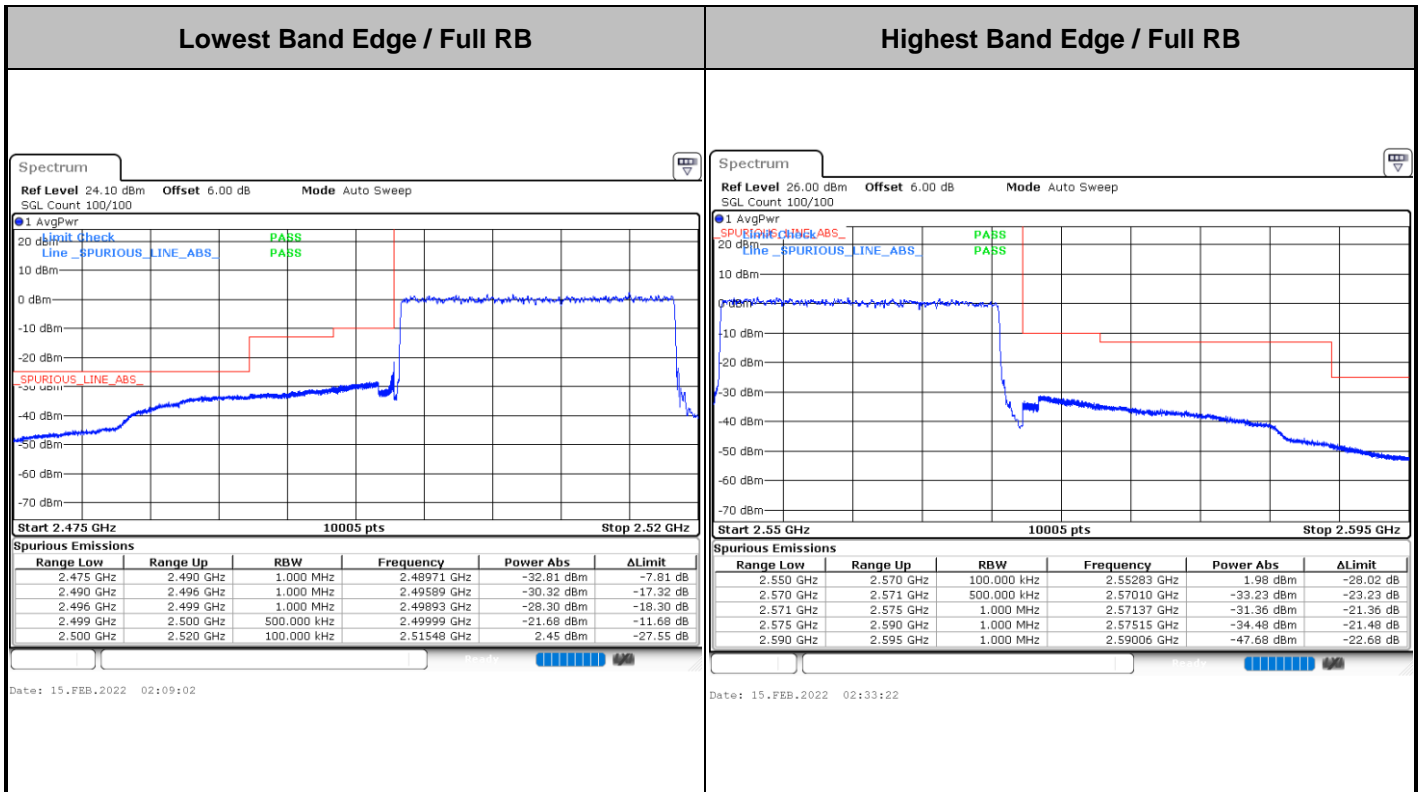
Date: 15.FEB.2022 02:45:34



Date: 15.FEB.2022 03:09:41



Date: 15.FEB.2022 02:55:16

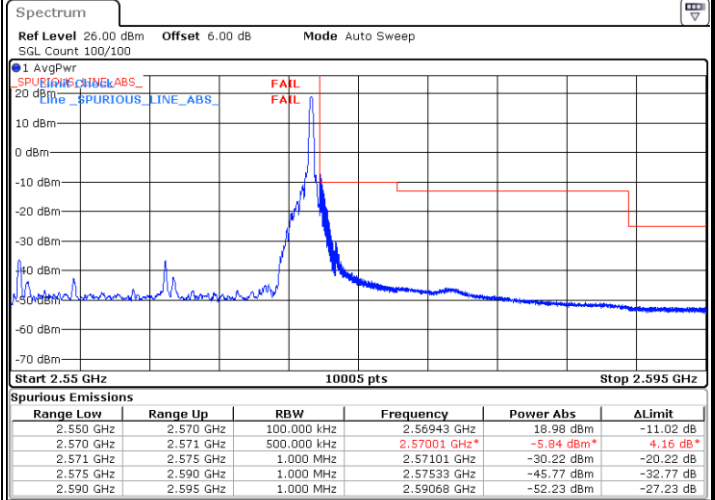
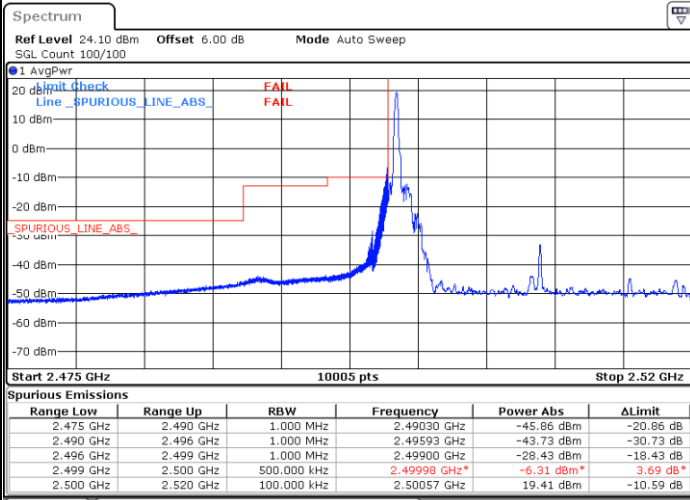




FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 16QAM

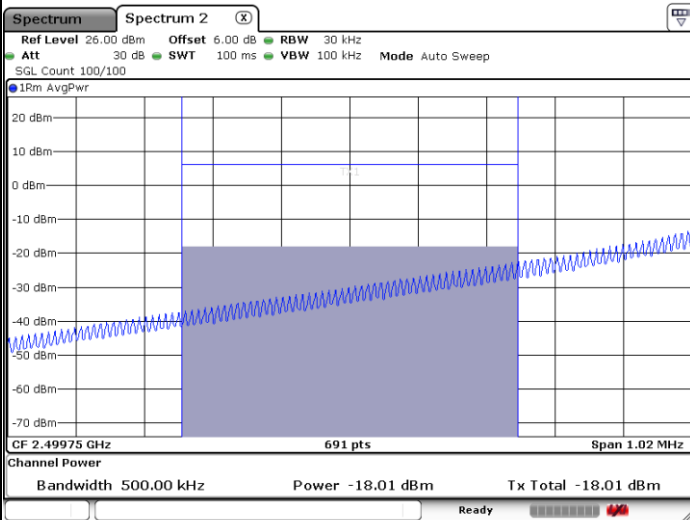
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

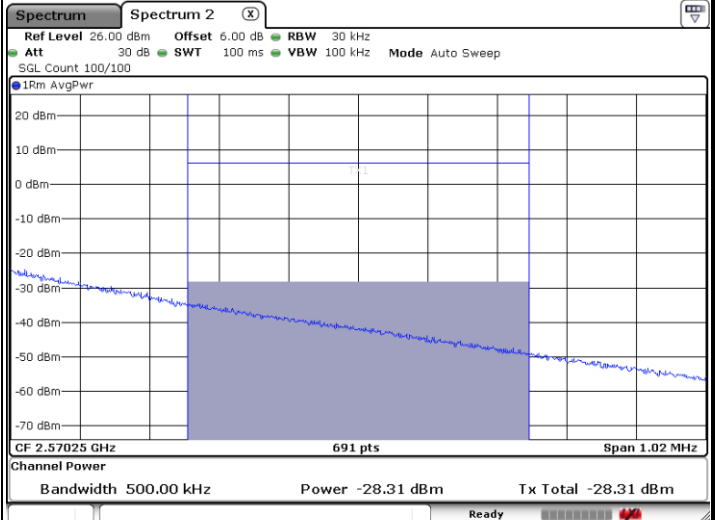


Date: 15.FEB.2022 02:26:20

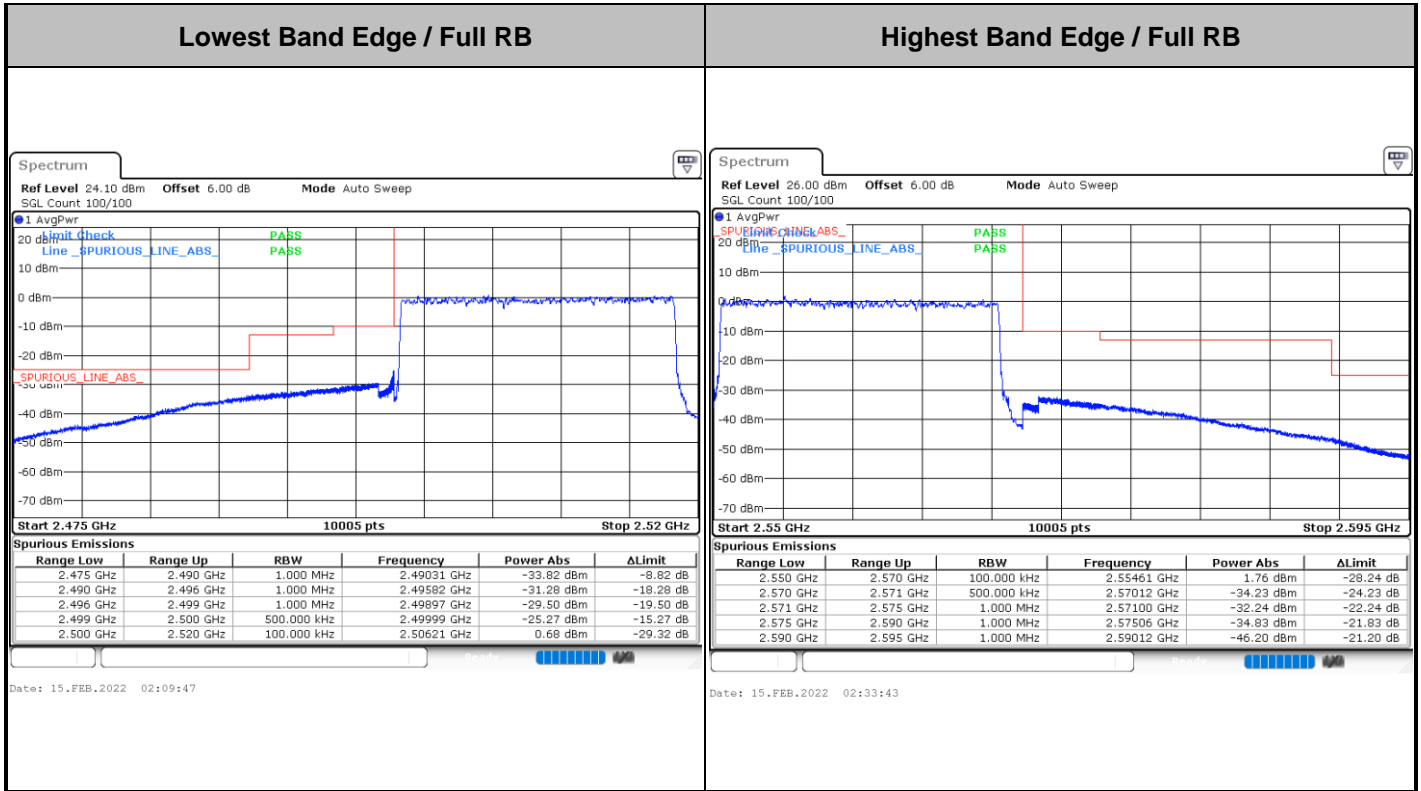
Date: 15.FEB.2022 02:44:03



Date: 15.FEB.2022 03:08:24



Date: 15.FEB.2022 02:57:17

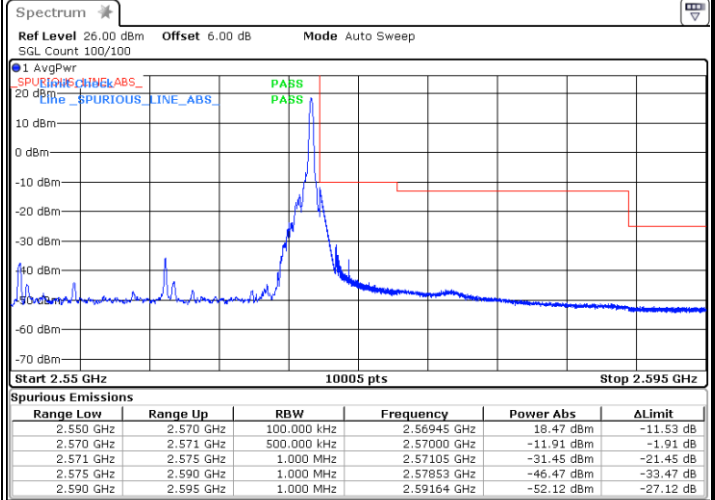
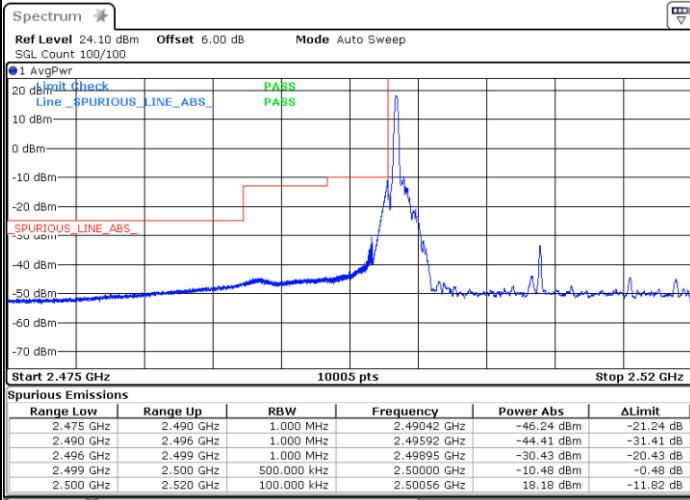




FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 64QAM

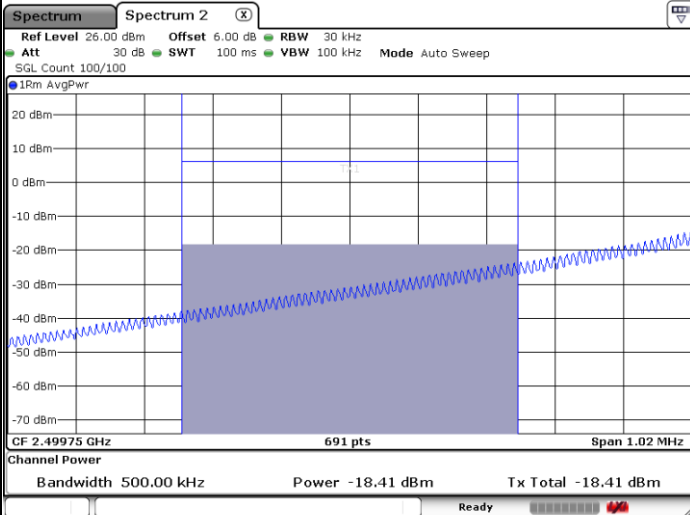
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Date: 15.FEB.2022 02:25:44

Date: 15.FEB.2022 02:43:07



Date: 15.FEB.2022 03:07:27

